

GoldStar

VIDEO CASSETTE RECORDER SERVICE MANUAL

MODEL : QUISY 200/220

CAUTION

BEFORE SERVICING THE UNIT, READ THE "SAFETY PRECAUTIONS"
IN THIS MANUAL.

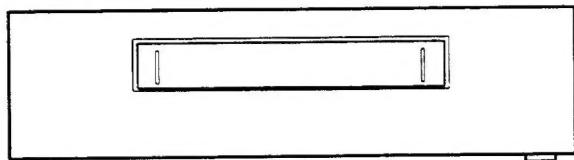


TABLE OF CONTENTS

SECTION 1 SUMMARY

KEY TO ABBREVIATIONS	1-1
IMPORTANT SAFETY PRECAUTIONS	1-2
• Precautions during Servicing	
SAFETY CHECK AFTER SERVICING	1-3
• Insulation resistance test	
• Dielectric strength test	
• Clearance distance	
• Leakage current test	
FEATURES	1-4
SPECIFICATIONS	1-4
LOCATION OF CUSTOMER CONTROLS	1-5

SECTION 2 CABINET & MAIN FRAME

SERVICE METHOD	2-1
1. Electrical Service Fixture List	2-1
2. SVC FIXTURE Connecting Method	2-2
CABINET DISASSEMBLY	2-4
1. Top Case	2-4
2. Bottom Cover	2-4
3. Front Panel	2-4
CIRCUIT BOARD DISASSEMBLY	2-5
1. Housing and Deck Ass'y	2-5
2. Power Ass'y	2-5
3. Timer Circuit Board	2-5
4. Main Circuit Board	2-5
EXPLODED VIEWS	2-7
1. Cabinet & Main Frame Section	2-7
2. Packing & Accessory Section	2-9
3. Remote Control Section	2-10

SECTION 3 ELECTRICAL

ELECTRICAL ADJUSTMENT PROCEDURES ...	3-1
1. Servo Circuit	3-1
2. Audio Circuit	3-2
3. Tuner/IF Circuit	3-2

BLOCK DIAGRAMS	3-3
1. Power (SMPS) Block Diagram	3-3
2. Jack Block Diagram	3-5
3. Servo/Syscon & Audio & Tuner & IF Block Diagrams	3-7
4. Y/C Block Diagram	3-11
CIRCUIT DIAGRAMS	3-15
1. Power (SMPS) Circuit Diagram	3-15
2. Jack Circuit Diagram	3-17
3. Timer Circuit Diagram	3-19
4. Servo/Syscon & Audio & Tuner Circuit Diagrams	3-23
5. Y/C Circuit Diagram	3-27
6. IF Circuit Diagram	3-33
7. Connection Diagram	3-35
PRINTED CIRCUIT BOARD DIAGRAMS	3-37
1. Jack P.C.Board	3-37
2. IF P.C.Board	3-37
3. Main P.C.Board	3-39
4. Power (SMPS) P.C.Board	3-41
5. Y/C & Pre-Amp P.C.Board	3-42
6. Timer P.C.Board	3-41

SECTION 4 MECHANISM

NOTE) The table of contents for this section is edited separately.

SECTION 5 REPLACEMENT PARTS LIST

• Mechanical Section	5-1
• Cabinet & Main Frame Section	5-3
• Packing Accessory Section	5-4
• Remote Control Section	5-4
• Electrical Section	5-5

SECTION 1 SUMMARY KEY TO ABBREVIATION

A	AC	:Alternating Current	M	LPF	:Low Pass Filter
	ACC	:Automatic Color Control		MAX	:Maximum
	ACSS	:Automatic Channel Setting System		MD	:Modulator
	ADJ	:Adjust		MECHA.CTL	:Mechanism Control
	A/E	:Audio Erase		MIC	:Microphone
	AFC	:Automatic Frequency Control		MIN	:Minimum
	AFT	:Automatic Fine Tuning		MIX	:Mixer, Mixing
	AGC	:Automatic Gain Control		M.M.	:Mono Multi Vibrator
	A.H.SW	:Audio Head Switch		MMV	:Monostable Multivibrator
	ALC	:Automatic Level Control		MOD	:Modulation, Modulator
	AM	:Amplitude Modulation		MODEN	:Modulation-Demodulator
	AMP	:Amplifier		MPX	:Multiplex
	ANT	:Antenna	N	NR	:Noise Reduction
	APC	:Automatic Phase Control	O	OSC	:Oscillator
	ASS'Y	:Assembly		OSD	:On Screen Display
	AUX	:Auxiliary	P	PB	:Playback
B	B	:Base		PCB	:Printed Circuit Board
	BGP	:Burst Gate Pulse		P.CTL	:Power Control
	BPF	:Bandpass Filter		PER-AMP	:Preamplifier
	BS	:Broadcasting Satellite		P.F	:Power Failure
	BW or B/W	:Black and White		PG	:Pulse Generator
C	C	:Capacitor, Chroma, Collector		PLL	:Phase Locked Loop
	CAN	:Cancel		PREM.DET	:Premiere Detect
	CAP	:Capstan		P-P	:Peak to Peak
	CAP.BRK	:Capstan Brake		PS	:Phase Shift
	CAP.RVS	:Capstan Reverse		PWM	:Pulse Width Modulation
	CATV	:Cable Television		PWR CTL	:Power Control
	CBA	:Circuit Board Assembly	Q	Q	:Transistor
	CCD	:Charge Coupled Device		QH	:Quasi Horizontal
	C.CTL	:Chro Control, Capstan Control		QSR	:Quick Set Record
	CFG	:Capstan Frequency Generator		QTR	:Quick Timer Record
	CHROMA	:Chrominance		QV	:Quasi Vertical
	CNR	:Chroma Noise Reduction	R	R	:Resistor, Right
	COMB	:Combination		RE(or RC)	:Remocon, Receiver
		:Comb Filter		REC	:Recording
	COMP	:Comparator		REC S.'H'	:Record Start 'High'
		:Composite		REF	:Reference
		:Compensation		REG	:Regulated, Regulator
	CONV	:Converter		REMOCON	:Remote Control(unit)
	C.ROT SW	:Color Rotary Switch		RF	:Radio Frequency
	CS	:Chip Select		R/P	:Record/Playback
	C SYNC	:Composite Synchronization		RTC	:Reel Time Counter
	CTL DIV	:Control Divide	S	S	:Serial
	CUR	:Current		S.ACCEL	:Slow Accel
	CYL	:Cylinder		SAOP	:Second Audio Program
D	D	:Drum, Digital, Diode, Drain		SC	:Scart, Simulcast
	D.ADJ	:Drum Adjust		S.DET	:Secam Detect
	DC	:Direct Current		SH	:Shift
	D.CTL	:Drum Control		SHARP	:Sharpness
	DEMOD	:Demodulator		SIF	:Sound Intermediate Frequency
	DET	:Detect		SLD	:Side Locking
	DEV	:Deviation		S/N	:Signal to Noise Ratio
	DHP	:Double High Pass		SP	:Standard Play
	DIGITRON	:Digital Display Tube		ST	:Stereo
	DL	:Delay Line		SUB	:Subtract, Subcarrier
	DOC	:Drop Out Compensator		SW or S/W	:Switch
	DUB	:Dubbing		SYNC	:Synchronization
	D.V SYNC	:Dummy Vertical Synchronization		SYSCON	:System Control
E	E	:Emitter	T	T	:Coil
	EE	:Electric to Electric		TP	:Test Point
	EMPH	:Emphasis		TR	:Transistor
	ENA	:Enable		TRK	:Tracking
	ENV	:Envelope		TRANS	:Transformer
	EP	:Extended Play		TU	:Tuner, Take-Up
	EQ	:Equalizer	U	UHF	:Ultra Hight Frequency
	EXP	:Expander		UNREG	:Unregulated
F	F	:Fuse	V	V	:Volte, Vertical, Video
	FB	:Feed Back		VA	:Voltage Alive
	FBC	:Feed Back Clamp		VCO	:Voltage Controlled Oscillator
	FE	:Full Erase		VGC	:Voltage Gain Control
	FG	:Frequency Generator		VHF	:Very High Frequency
	FL	:Filter		V.H.SW	:Video Head Switch
	FM	:Frequency Modulation		VISS	:VHS Index Search System
	F/R	:Forward/Reverse		VPS	:Video Program System
	FS	:Frequency Synthesizer		VR	:Variable Resistor or Volume
	FSC	:Subcarrier Frequency		V-SYNC	:Vertical Synchronization
	F/V	:Frequency Voltage		VTG	:Voltage
G	GEN	:Generator		VV	:Video to Video
H	H	:High, Horizontal		VXO	:Voltage X-tal Oscillator
I	IC	:Integrated Circuit	W	W	:Watt
	IF	:Intermediate Frequency		WHT	:White
	INS	:Insert		W/O	:With Out
L	L	:Low, Left, Coil	X	X-TAL	:Crystal
	LD	:Loading		Y	:Luminance/Chrominance
	LD VTG CTL	:Loading Voltage Control		Y/C	:Luminance Noise Reduction
	LECHA	:Letter Character		YNR	
	L.M	:Level Meter	Z	ZD	:Zener Diode
	LP	:Long Play			

IMPORTANT SAFETY PRECAUTIONS

Prior to shipment from the factory, the products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

• Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the  symbol and shaded (■) parts are critical for safety. Replace only with specified part numbers.

Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Use Specified internal wiring. Note especially:

- 1) Wires covered with PVC tubing
- 2) Double insulated wires
- 3) High voltage leads

4. Use specified insulating materials for hazardous live parts. Note especially:

- 1) Insulation Tape
- 2) PVC tubing
- 3) Spacers
- 4) Insulation sheets for transistor

5. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.(Fig. 1)

6. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

7. Check that replaced wires do not contact sharp edged or pointed parts.

8. When a power cord has been replaced, check that 10-15Kg of force in any direction will not loosen it.(Fig. 2)

9. Also check areas surrounding repaired locations.

10. Products using cathode ray tubes (CRTs)

In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the parts specified. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

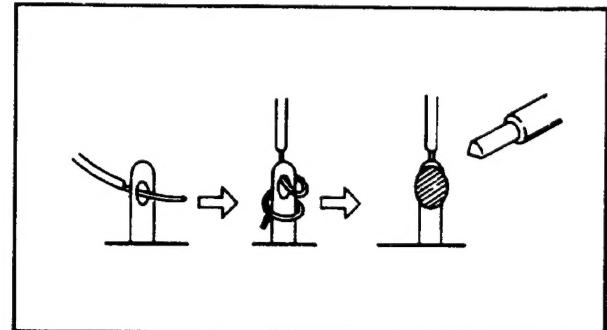


Fig. 1

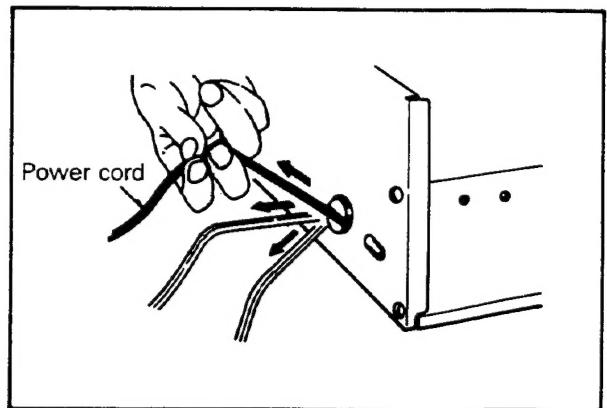


Fig. 2

SAFETY CHECK AFTER SERVICING

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions. Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

• Insulation resistance test

Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table below.

• Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table below.

• Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table below.

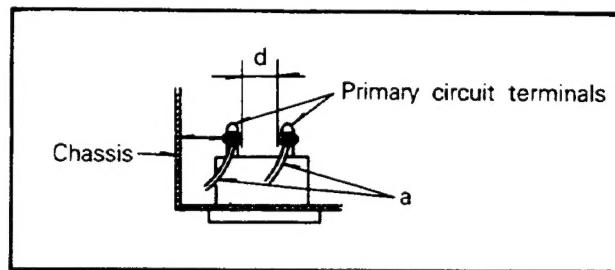


Fig. 3

Table 1: Ratings for selected areas

AC Line Voltage	Region	Insulation Resistance	Dielectric Strength	Clearance Distance(d),(d')
*110 to 130 V	Europe	$\geq 10 M\Omega$ /500 V DC	4kV 1 minute	$\geq 6mm(d)$ $\geq 8mm(d')$
200 to 240 V	Australia			(a Power cord)

*Class II model only.

Note. This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

• Leakage Current test

Confirm specified or lower leakage current between B(earth ground, power cord plug prongs) and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.)

Measuring Method: (Power ON)

Insert load Z between B(earth ground, power cord plug prongs) and exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure and following table.

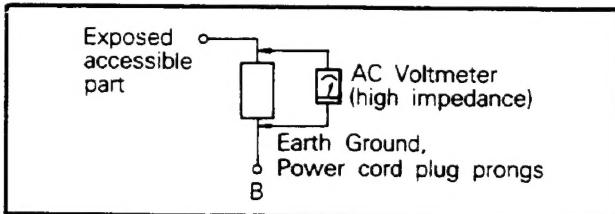


Fig. 4

Table 2: Leakage current ratings for selected areas

AC Line Voltage	Region	Load Z	Leakage Current(i)	Earth Ground (B) to:
100 to 130 V	Europe	$\text{---} \text{---}$ 2kΩ	$i \leq 0.7m A$ peak $i \leq 2m A$ dc	Antenna earth terminals
200 to 240 V	Australia	$\text{---} \text{---}$ 50kΩ	$i \leq 0.7m A$ peak $i \leq 2m A$ dc	Other terminals

Note. This table is unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

FEATURES

<ul style="list-style-type: none"> ● HQ (High Quality) picture enhancement system that improves picture sharpness and detail. ● Centre tape mechanism for high quality pictures. ● Full function infra-red remote control handset. ● Programmable 80 channel memory with voltage synthesised tuner. ● ACMS (Automatic Channel Memory System) the channels will be preset automatically. ● ACSS (Automatic Clock Setting System) - the clock will be set automatically by reading the present time and date from the teletext of the German time TV stations ARD or ZDF : ★ ● 8 event/1 month programmable timer. ● Built-in ShowView programming. ● VPS - Video Programme System : ★ ● Recording and playback for 16:9 Wide-screen format. 	<ul style="list-style-type: none"> ● Double speed playback. ● Auto Power on and Play. ● Automatic Rewind. ● LP - Long Play - recording and playback. ● Self diagnostic function. ● Shuttle Controls. ● Logic & Jet Search. ● VISS - VHS Index Search System. ● Child Lock. ● Auto Head Cleaner. ● Fine still, Frame advance & Variable Slow functions. ● Real Time Counter & Remaining tape time display. ● Quick Start function. ● Digital Auto Tracking System. <p style="text-align: center;">★ OPTIONAL FUNCTION</p>
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SPECIFICATIONS

GENERAL

Power	: AC100-240V(SMPS), 50Hz.
Power consumption	: Approx. 20 watts
Video recording system	: Rotary 2 heads, helical scanning system
Tape speed	: 23.39 mm/sec (SP mode)
Tape format	: Tape width 1/2" (12.7 mm high density VHS tape)
Maximum recording time	: 4 hours in SP mode
Fast forward/Rewind time	: Less than 150 sec. (with E-180 tape)
Dimensions (W x H x D)	: 14.2"x3.5"x12" (360x88x305 mm)
Weight	: 9.9lbs. (4.5 kg)
Operating temperature	: 41°F-95°F (5°C-35°C)
Operating humidity	: Less than 80%
Timer	: 24 hours display type

VIDEO

Television system	: CCIR standard (625 lines, 50 fields) PAL/SECAM colour signal
Recording format	: PAL/MESECAM
RF reception	: PAL/SECAM (B/G)
RF out	: PAL G/SECAM G
Input level	: VIDEO IN (Scart type)
Output level	: 1.0 Vp-p, 75 ohm, unbalanced
Signal to noise ratio	: VIDEO OUT (Scart type)
RF Modulator	: 1.0 Vp-p, 75 ohm, unbalanced
	: More than 43 dB
	: UHF Channels 30-40(adjustable)

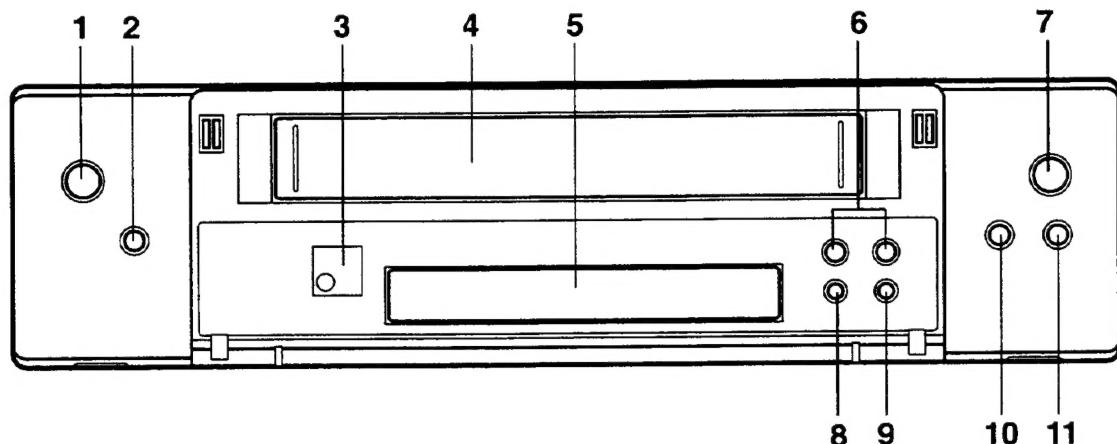
AUDIO

Input level	: AUDIO IN (Scart type) 0 dBm, more than 10Kohm
Output level	: AUDIO OUT (Scart type) 0 dBm, less than 1Kohm
Audio track	: Mono track
Audio frequency response	: 100 Hz-10 kHz (-6/+3)
Audio signal to noise ratio	: More than 43 dB

* Design and specifications are subject to change without notice.

LOCATION OF CUSTOMER CONTROLS

FRONT



SECTION 1
SUMMARY

1. STOP/EJECT

2. OPERATE

3. REMOTE CONTROL SENSOR

4. VIDEO CASSETTE COMPARTMENT

5. MULTI FUNCTION DISPLAY

6. CHANNEL PROGRAMME SELECTORS

7. PLAY (x2)

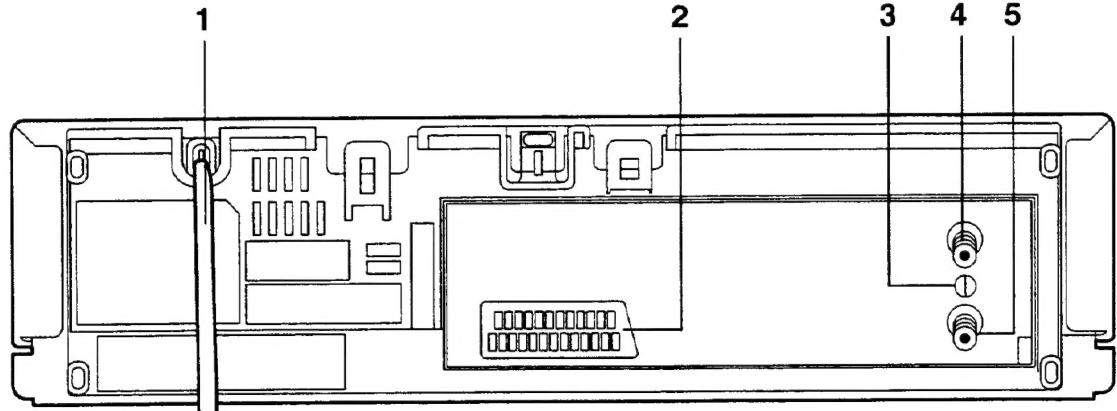
8. REC/QSR

9. PAUSE/STILL

10. REWIND/REVIEW

11. FAST FORWARD/CUE

REAR



1. MAINS LEAD

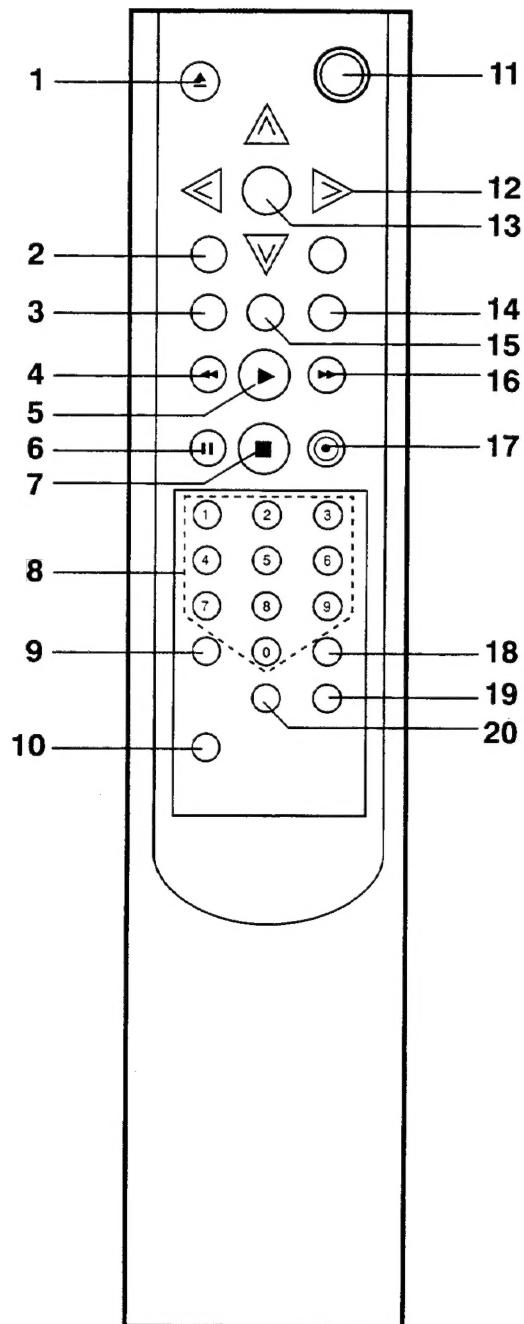
2. AUDIO/VIDEO

3. VIDEO CHANNEL CONTROL

4. ENTREE ANTENNE

5. SORTIE ANTENNE

REMOTE CONTROL



1. EJECT
2. CLOCK/TAPE COUNTER/TAPE REMAINING
3. CLEAR
4. REWIND/REVIEW
5. PLAY(X2)
6. PAUSE/STILL
7. STOP
8. NUMBER BUTTONS
9. VIDEO PLUS + : ★
10. AUDIO/VIDEO
11. OPERATE
12. CURSORS ($\wedge \vee < >$)
13. OK
14. CHILD LOCK
15. AUTOMATIC TRACKING
16. FAST FORWARD/CUE
17. REC/QSR
18. VPS(PDC)
19. VISS
20. LP : ★

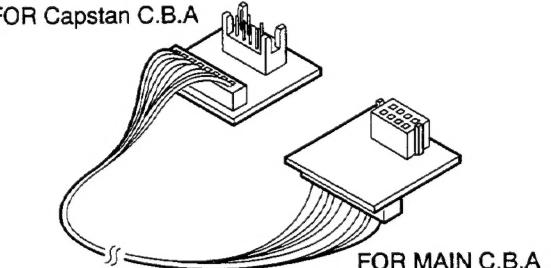
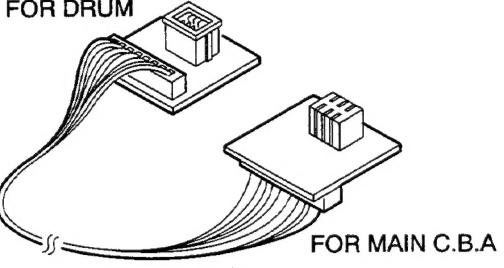
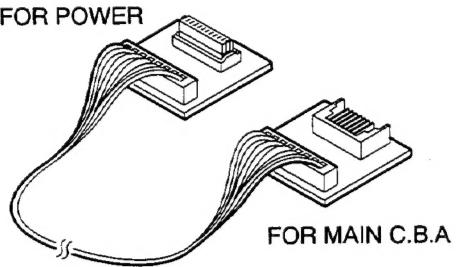
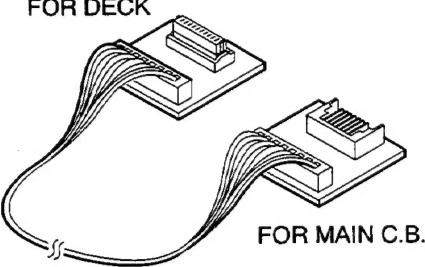
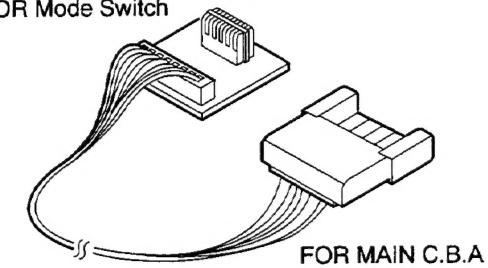
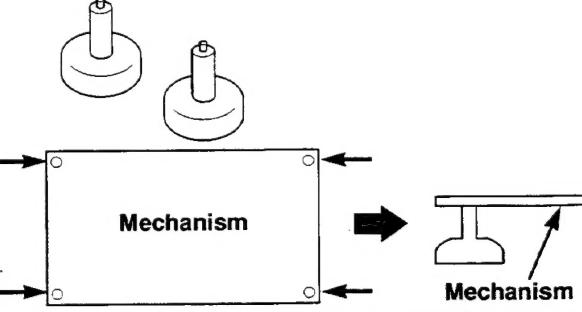
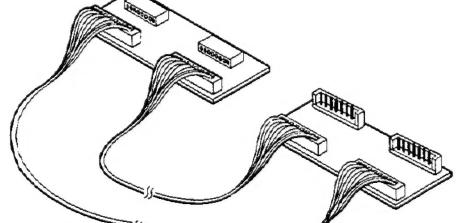
★: OPTIONAL FUNCTION

SECTION 2 CABINET & MAIN FRAME

SERVICE METHOD

1. Electrical Service Fixture List

The Fixture uses in Deck Ass'y Checking.

1) Fixture Cable ① (Fix.1) Parts No: 6871R-0288A (Optional Parts)	2) Fixture Cable ② (Fix.2) Parts No: 6871R-0288B (Optional Parts)
 <p>FOR Capstan C.B.A FOR MAIN C.B.A</p>	 <p>FOR DRUM FOR MAIN C.B.A</p>
3) Fixture Cable ③ (Fix.3) Parts No: 6871R-0288C (Optional Parts)	4) Fixture Cable ④ (Fix.4) Parts No: 6871R-0288D (Optional Parts)
 <p>FOR POWER FOR MAIN C.B.A</p>	 <p>FOR DECK FOR MAIN C.B.A</p>
5) Fixture Cable ⑤ (Fix.5) Parts No: 6871R-0288E (Optional Parts)	6) Fixture Cable ⑥ (Fix.6) Parts No: 322-065A (Optional Parts)
 <p>FOR Mode Switch FOR MAIN C.B.A</p>	 <p>Mechanism Mechanism</p>
7) Fixture Cable ⑦ (Fix.7) Parts No: 6871R-0288J (Optional Parts)	
	

SERVICE METHOD

2. SERVICE FIXTURE CONNECTING METHOD

1) Check and Replace of The Electrical Parts

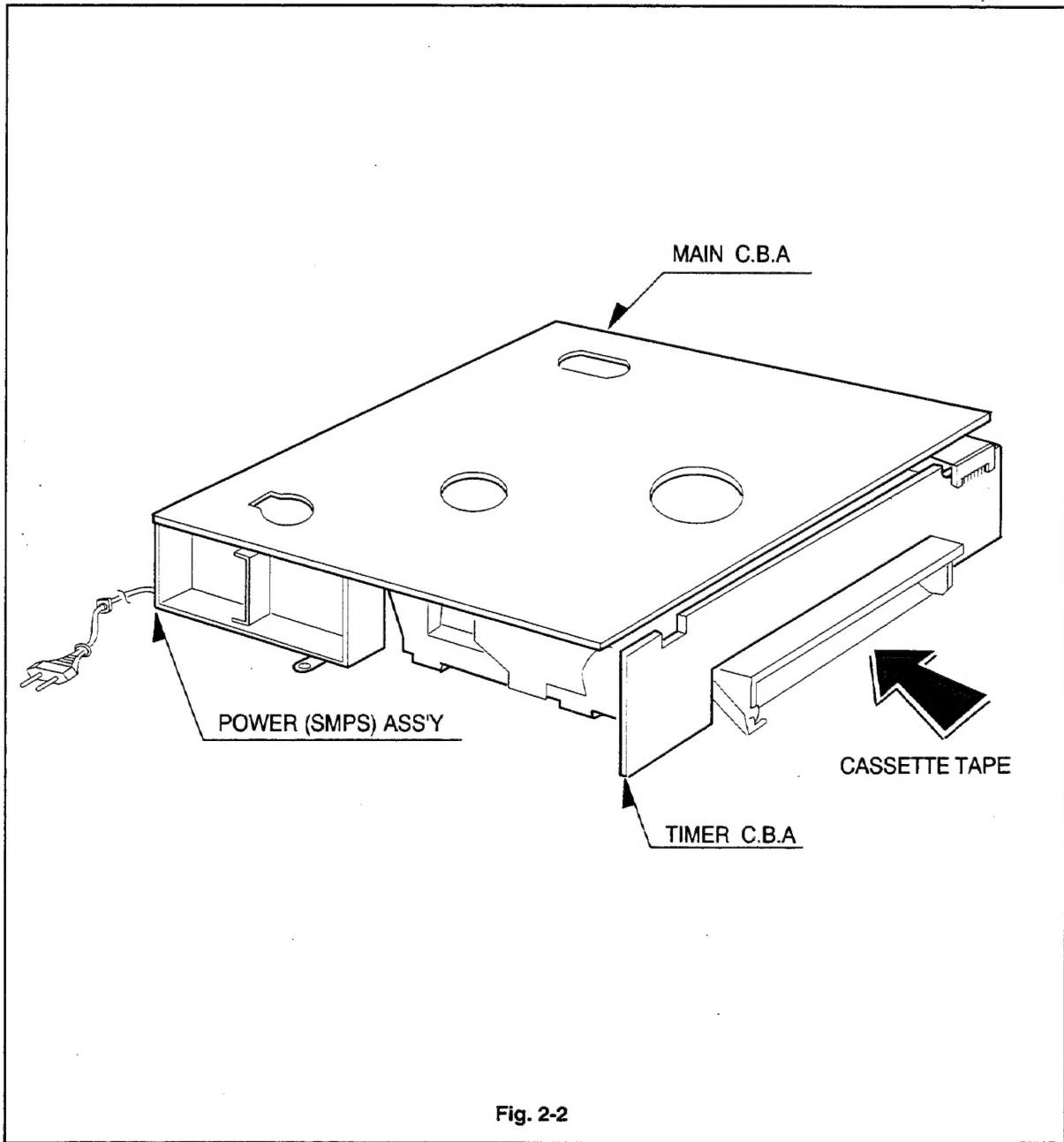
► Disassembly Flow



- Refer to pages 2-4, 2-5 for Disassembling.
- Assemble inversely like figure 2-2, and check the electrical Parts.

★ Notes in Check

- CST switch of the Main C.B.A must connected with Level Switch of Deck Assy.
- Insert Video Cassette Tape inversely.
- In disassembling and assembling, be careful not to damage CST Switch.



SERVICE METHOD

2) Check and Replace of The Deck Ass'y

► Disassembly Flow



- Refer to pages 2-4, 2-5 for Disassembling.
- Assemble like figure 2-3, and connect with fixture 6EA.

★ Notes in Check

- Insert Video Cassette Tape and pushes CST switch at the same time.
- Short W323 and W278 of Main C.B.A so that the End sensor (Supply sensor, Take up sensor) and supply Reel Sensor, Take up Reel Sensor are not operating.
- Recover W323 and W278 of Main C.B.A to the original condition after check.
- In disassembling and assembling, be careful not to damage CST Switch.
- When Fix.②, Fix.③, Fix.④ will be connect, connect the identification line with accord as like the Fig. 2-3.

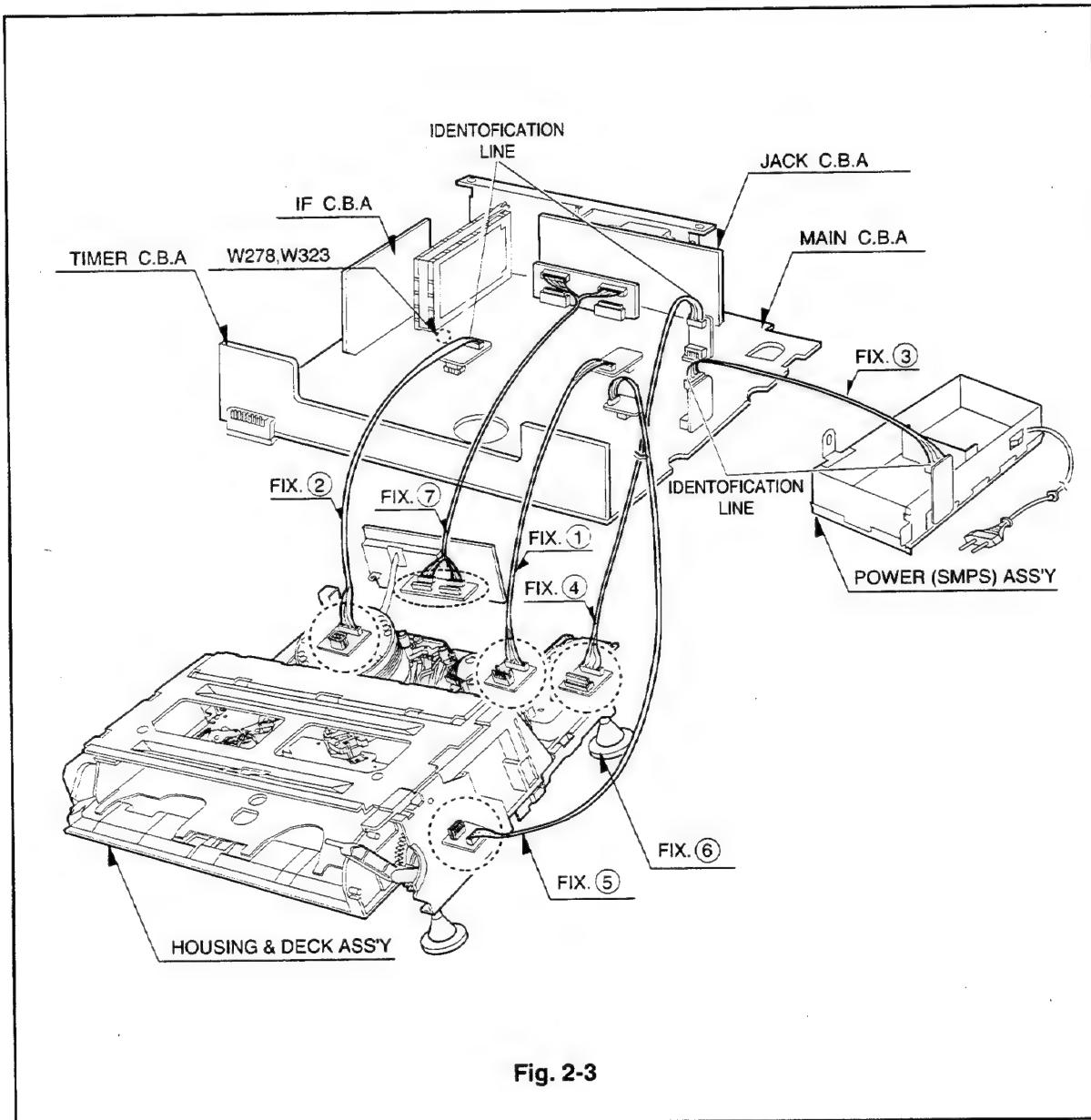


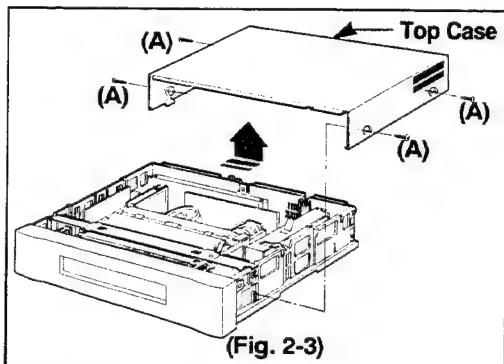
Fig. 2-3

CABINET DISASSEMBLY

► Disassembly Flow



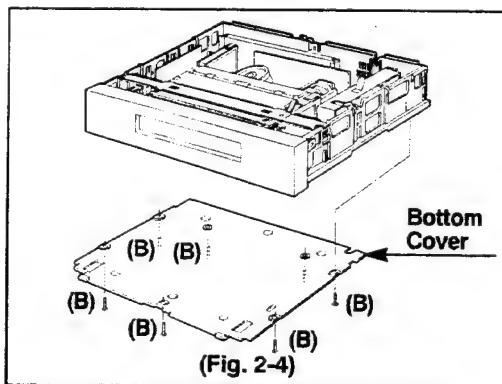
1. Top Case



1. Top Case (Fig. 2-3)

- 1-1) Release 4 screws (A).
- 1-2) Lift the Top Case by holding the back and remove it in the direction of the arrow.

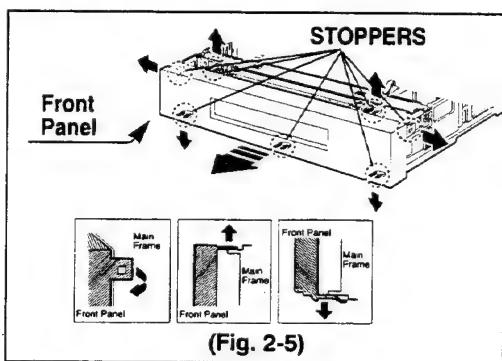
2. Bottom Cover



2. Bottom Cover (Fig. 2-4)

- 2-1) Remove 7 screws (B) and Bottom Cover.

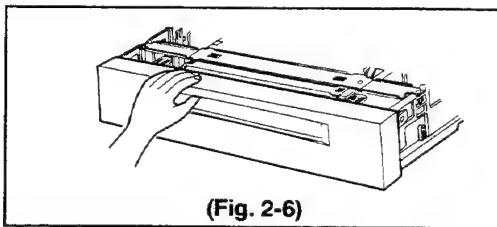
3. Front Panel



3. Front Panel (Fig. 2-5)

- 3-1) Remove the Top Case.
- 3-2) Remove the Bottom Cover.
- 3-3) Release the 7 stoppers of the Top, Bottom and side of the front panel (C) in the direction of the arrows.

★ Caution

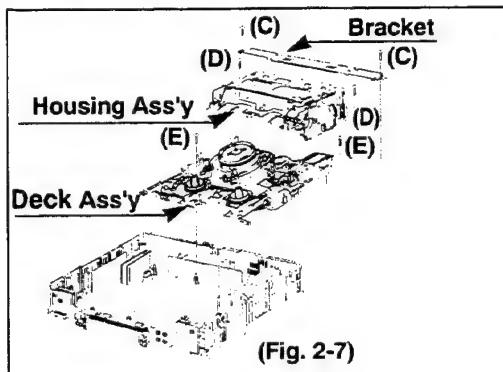


★ Caution (Fig. 2-6)

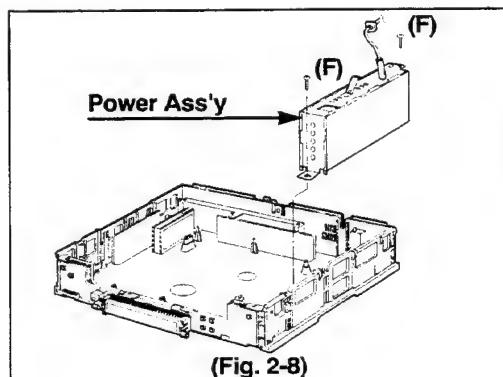
When reassemble the front panel, assemble it in condition of inserting the Door Cassette inside, as shown in Fig. 2-6.

CIRCUIT BOARD DISASSEMBLY

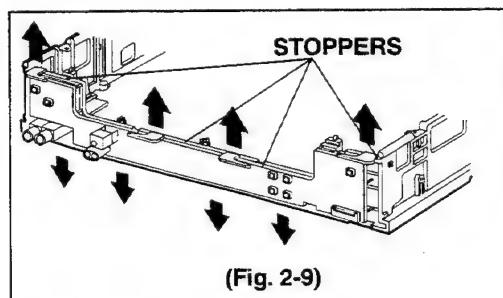
1. Housing and Deck Ass'y



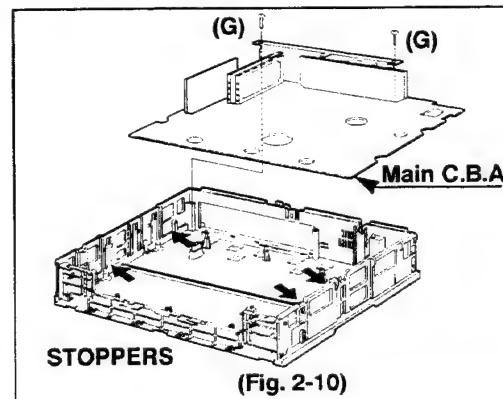
2. Power Ass'y



3. Timer Circuit Board



4. Main Circuit Board



1. Housing and Deck Ass'y (Fig. 2-7)

- 1-1) Remove the Front Panel.
- 1-2) Remove 2 screws (C) of the Bracket.
- 1-3) Remove 2 screws (D) and disassemble the housing.
- 1-4) Remove 3 screws (E) and disassemble the deck.

2. Power Ass'y (Fig. 2-8)

- 2-1) Remove 2 screws (F).
- 2-2) Lift up the power Ass'y in the direction of the arrow.

3. Timer Circuit Board (Fig. 2-9)

- 3-1) Pull the timer circuit board toward you while pressing 8 stoppers in the direction of the arrows to disengage, and remove the timer circuit board.
- 3-2) Remove the connector for complete removal.

4. Main Circuit Board (Fig. 2-10)

- 4-1) Remove 1 holder C.B.A.
- 4-2) Remove 2 screws (G).
- 4-3) Pressing 4 stoppers in the direction of the small arrows and lift up the main circuit board.

• Cabinet & Main Frame Section (MODEL : T21HP)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
ASSEMBLY PARTS SECTION						
		A43 A44 A45 A46	258-756J 3501R-0278F 501-521G 3501R-0263C	PANEL BOARD ASSY MODULE BOARD ASSY	ASSY FRONT SMPS MAIN	
PARTS SECTION						
		250 260 266 267 268 269 270 275 280 283 284 300 300 320 330	217-570C 315-347B 321-738A 255-429A 255-359A 255-362A 321-743A 324-802A 258-757H 226-110P 442-681A 681-051A 681-951A 258-728D 220-050A	CASE FRAME BRACKET PLATE PLATE PLATE BRACKET HOLDER PANEL DOOR SPRING CORD CORD PANEL COVER	TOP MAIN(60HR) ASSY HOUSING GND(M/F) SIDE GND PRE-AMP GND PROTECT DIGITRON FRONT CST DOOR KKP-419J B-172 KLCE-2F PAL H03VVH2-F 2X0.75MM LP21R/PE221 ASSY DISTRIBUTOR BOTTOM	NSP
SCREW						
		452 459 462 463 469	353-051A 353-046A 353-136A 1MBC0302418 353-046K	SCREW SCREW SCREW BINDING HEAD MACHINE SCREW + SCREW	SPECIAL(3X10 FZMY) SPECIAL (3X6 FZMY) SPECIAL(4.6X12.5 FBK) D 3.0 L 8.0 MSWR3/FZY SPECIAL (3X10 B.K)	

• Cabinet & Main Frame Section (MODEL : T213HP)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
ASSEMBLY PARTS SECTION						
		A43 A44 A45 A46	258-756M 3501R-0278F 501-521G 3501R-0263C	PANEL BOARD ASSY MODULE BOARD ASSY	ASSY FRONT SMPS MAIN	
PARTS SECTION						
		250 260 266 267 268 269 270 275 280 283 284 300 300 320 330	217-570C 315-347B 321-738A 255-429A 255-359A 255-362A 321-743A 324-802A 258-757L 226-110L 442-681A 681-051A 681-951A 258-728D 220-050A	CASE FRAME BRACKET PLATE PLATE PLATE BRACKET HOLDER PANEL DOOR SPRING CORD CORD PANEL COVER	TOP MAIN(60HR) ASSY HOUSING GND(M/F) SIDE GND PRE-AMP GND PROTECT DIGITRON FRONT CST (T213HP 3GG1) DOOR KKP-419J B-172 KLCE-2F PAL H03VVH2-F 2X0.75MM LP21R/PE221 ASSY DISTRIBUTOR BOTTOM	NSP
SCREW						
		452 459 462 463 469	353-051A 353-046A 353-136A 1MBC0302418 353-046K	SCREW SCREW SCREW BINDING HEAD MACHINE SCREW + SCREW	SPECIAL(3X10 FZMY) SPECIAL (3X6 FZMY) SPECIAL(4.6X12.5 FBK) D 3.0 L 8.0 MSWR3/FZY SPECIAL (3X10 B.K)	

EXPLODED VIEWS

1. Cabinet & Mainframe Section

6

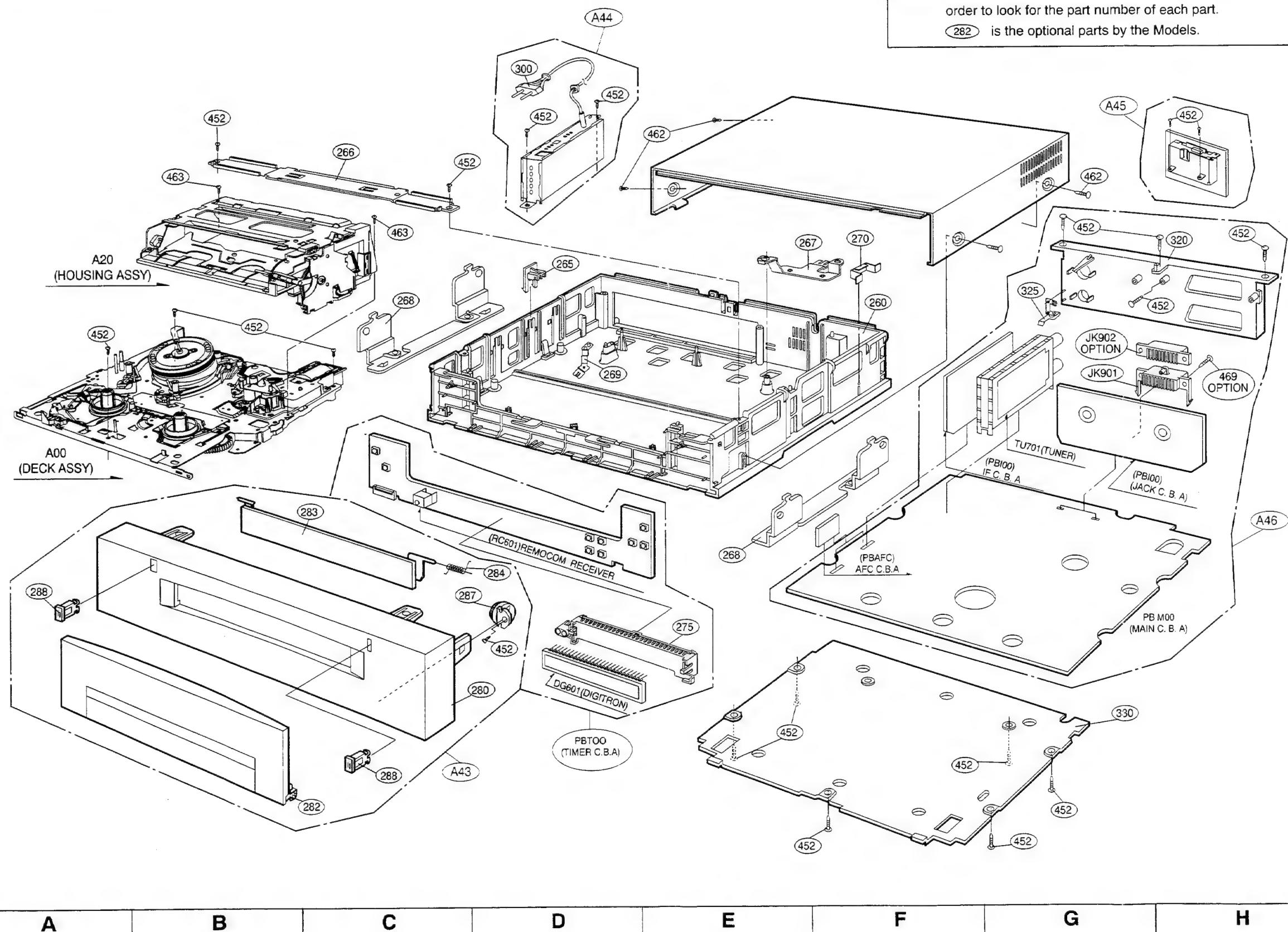
5

4

3

2

1



NOTE) Refer to "SECTION 5 REPLACEMENT PARTS LIST" in order to look for the part number of each part.

(282) is the optional parts by the Models.

LOCATION GUIDE

A 00	A 3
A 20	A 4
A 43	C 1
A 44	D 5
A 45	G 5
A 46	H 3
PBT 00	D 1
PBI 00	G 3
PBJ 00	G 3
PBAFC	F 2
PBM 00	G 2
RC 601	D 2
TU 701	G 3
JK 901	G 3
JK 902	G 4
250	F 5
260	F 4
265	D 4
266	C 5
267	E 4
268	C 4
269	D 4
275	E 2
280	C 2
282	B 1
283	B 3
284	D 2
287	C 2
288	C 1
300	D 5
320	H 4
325	G 4
330	G 2

A

B

C

D

E

F

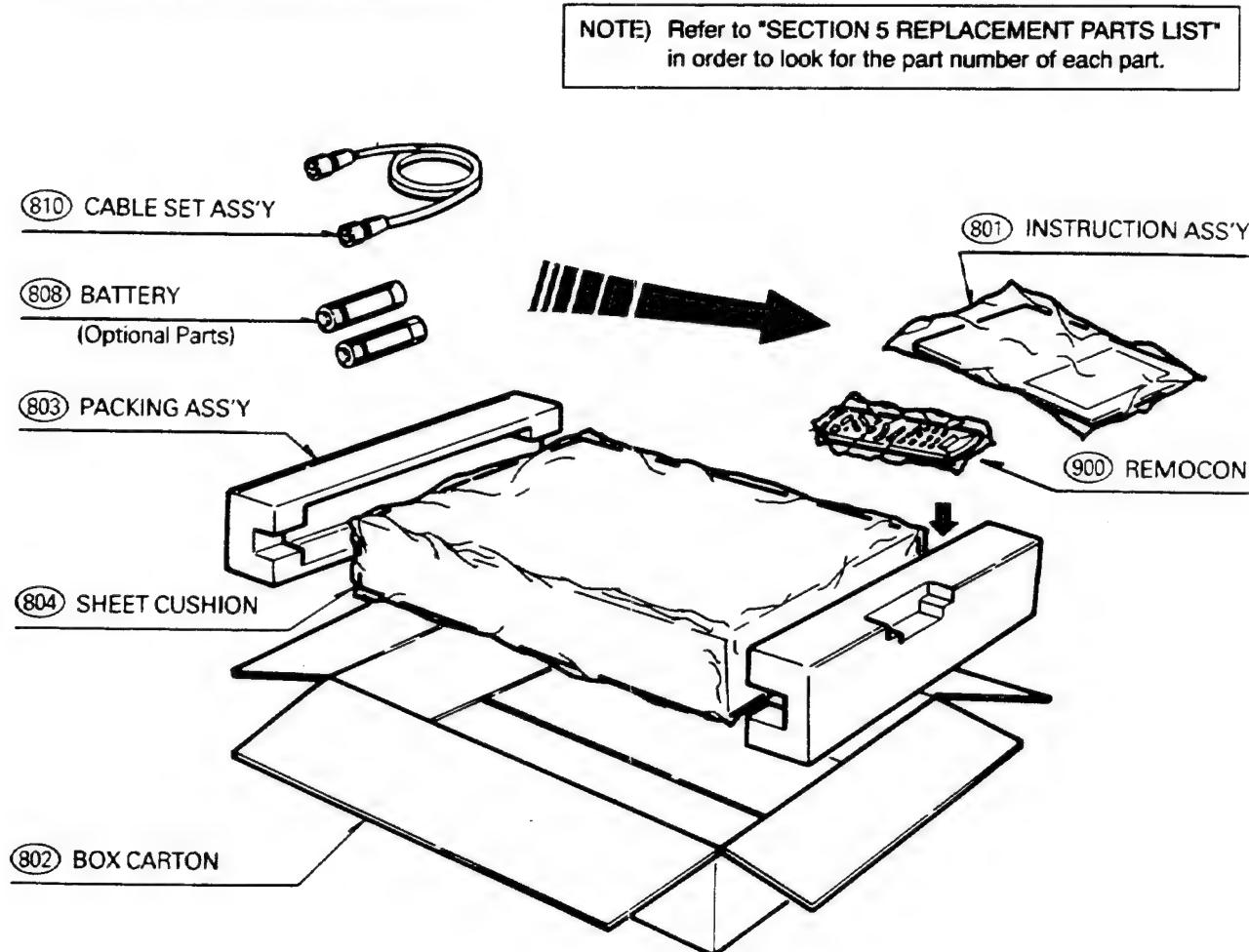
G

H

I

EXPLODED VIEWS

2. Packing & Accessory Section



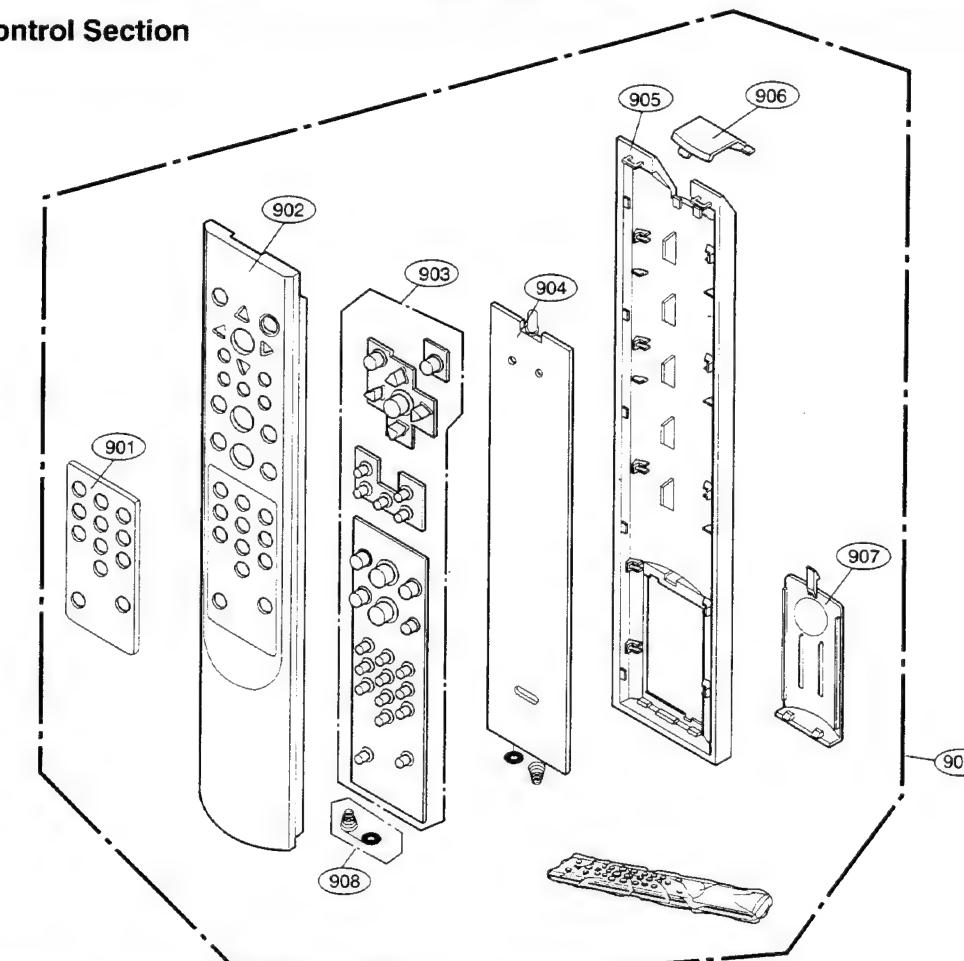
• Remote Control Section (MODEL : T21HP)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
800	507-123G	REMOTE CONTROL	ASSY			
801	255-405C	PLATE	TOP RIC(VPS-C)			
802	217-030B	CASE	TOP(G)			
803	556-299E	SWITCH	RUBBER(G)			
804	8871R-0405A	PWR ASSY	M2 RIC NORMAL(P2P)			
805	220-130A	COVER	BOTTOM RC			
806	220-500A	WINDOW	FILTER			
807	220-131A	COVER	BATTERY			
808	442-725A	SPRING	BATTERY			

• Remote Control Section (MODEL : T213HP)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
900	507-123B	REMOTE CONTROL	ASSY (M2)			
901	255-405B	PLATE	TOP RIC			
902	217-030B	CASE	TOP(G)			
903	556-299B	SWITCH	CONDUCTIVE RUBBER			
904	8871R-0405A	PWR ASSY	M2 RIC NORMAL(P2P)			
905	220-130A	COVER	BOTTOM RC			
906	220-500A	WINDOW	FILTER			
907	220-131A	COVER	BATTERY			
908	442-725A	SPRING	BATTERY			

3. Remote Control Section



• Packing Accessory Section (MODEL : T21HP)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
	801	480-658B	INSTRUCTION ASSY			
	802	290-400A	BOX CARTON			
	803	283-292A	PACKING			
	804	291-002B	SHEET CUSHION			
	808	534-008C	BATTERY		AAAM(R03) 1.5V 1PAIR(LOCAL)	
	810	861-505B	CABLE SET ASSY		RF-CABLE,ASSY,PAL	NSP

• Packing Accessory Section (MODEL : T213HP)

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
	801	480-658A	INSTRUCTION ASSY			
	802	290-368A	BOX CARTON			
	803	283-292A	PACKING			
	804	291-002B	SHEET CUSHION			
	808	534-008C	BATTERY		AAAM(R03) 1.5V 1PAIR(LOCAL)	
	810	861-505B	CABLE SET ASSY		RF-CABLE,ASSY,PAL	NSP

SECTION 3 ELECTRICAL

ELECTRICAL ADJUSTMENT PROCEDURES

Electronic Test Equipment

- Oscilloscope
- Video Signal Generator
- Level Meter
- + Driver
- Test Tape (SP)
- Recording Tape
- Digital Multimeter
- Monitor Scope
- Power Supply

ABBREVIATIONS

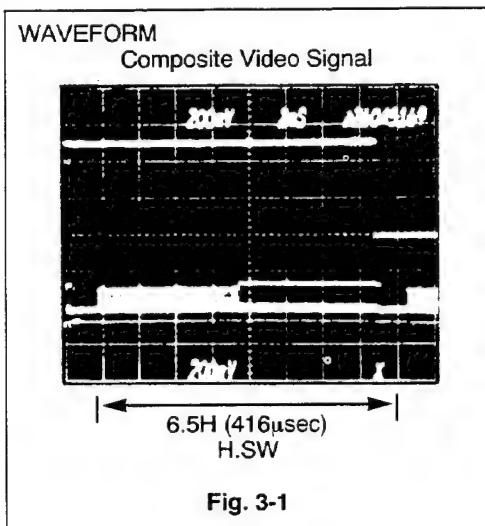
• SPEC: Specification	• M.P: Measurement Point	• A.P: Adjustment Point
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1. Servo Circuit

1) PG Adjustment

Purpose:

For the phase dividing of the Video A,B heads with 180° and the exact tracing of each track to meet head switching point with VHS Spec.



1-1) Record PG Adjustment

- MODE: Record
- SPEC : $416 \pm 50 \mu\text{sec}$
- M.P : TP302 (H.SW)
JK701 Pin① (Video Out)
- A.P : VR502

1-2) Playback PG Adjustment

- MODE: Playback
- SPEC : $6.5H \pm 0.5H$
($416\mu\text{sec}$, $1H=64\mu\text{sec}$)
- M.P : TP302 (H.SW)
JK701 pin① (Video Out)
- A.P : VR501

1-1) Record PG Adjustment Procedure:

- a. Set the VCR to A/V mode.
- b. Connect CH-1 terminal of oscilloscope to TP302 (H.SW) and CH-2 terminal to video out terminal (JK701 pin①) of VCR.
- c. Input the Video signal to Video Input Jack.
- d. Record in PAL SP mode.
- e. Trigger the complex Video signal of CH2 to CH-1 (H.SW), and adjust VR502 so that the distance from A(B) head selection point of H.SW signal to the starting point of Vertical synchronized signal is $416 \pm 50 \mu\text{sec}$.

Reference:

1. Record PG Adjustment is proceed in the Record mode and must be input video signal.
2. The deviation between A/B Head Adjustment location should be within $\pm 0.5H$ ($32\mu\text{sec}$).
3. The deviation between the specification of adjustment and the practical measurement value should be within $\pm 50 \mu\text{sec}$.
4. Oscilloscope and VCR set should be connected with GND.
5. When the Power Ass'y of set is changed, you should be readjust Record PG.

1-2) Playback PG Adjustment Procedure:

- a. Playback a PAL SP test tape.
- b. At this time, the "ATR" is lighting, after pressing the A.TR (+) or A.TR(-) and adjust the X-Value.
- c. Connect CH-1 terminal of oscilloscope to TP302(H.SW) and CH-2 terminal to Video Out terminal (JK701 pin①) of VCR.
- d. Trigger the complex Video signal of CH2 to CH-1(H.SW), and adjust VR501 so that the distance from A(B) head selection point of H.SW signal to the starting point of Vertical synchronized signal is $6.5H$ ($416\mu\text{sec}$, $1H=64\mu\text{sec}$).
- e. The conversion of A/B Head SW signal uses the Polarity Invert Knob of oscilloscope.

Reference:

1. \pm PG adjustment is proceed in the state of maximum RF level and locked servo system (MTR Mode).
2. The deviation between A/B Head Adjustment location should be within $\pm 0.5H$ ($32\mu\text{sec}$).
3. The deviation between the specification of adjustment and the practical measurement value should be within $\pm 0.5H$ ($32\mu\text{sec}$).
4. Oscilloscope and VCR set should be connected with GND.

ELECTRICAL ADJUSTMENT PROCEDURES

2. Audio Circuit

1) Record Bias Adjustment

- MODE : Record
- SPEC : $3.0\text{mV} \pm 0.1\text{mV}$ RMS
- M.P : W105 (+)
W106 (-)
- A.P : VR401

Purpose:

This is adjusting the bias current to specification in recording.

Procedure:

- a. Connect (+) terminal of the Level Meter to W105 (+).
- b. Connect (-) terminal of the Level Meter to W106 (-).
- c. Confirm that the Oscillation Voltage is $3.0\text{mV} \pm 0.1\text{mV}$ RMS.
- d. At this time, adjust VR401 and make the oscillation voltage fit to specification.

3. Tuner/IF Circuit

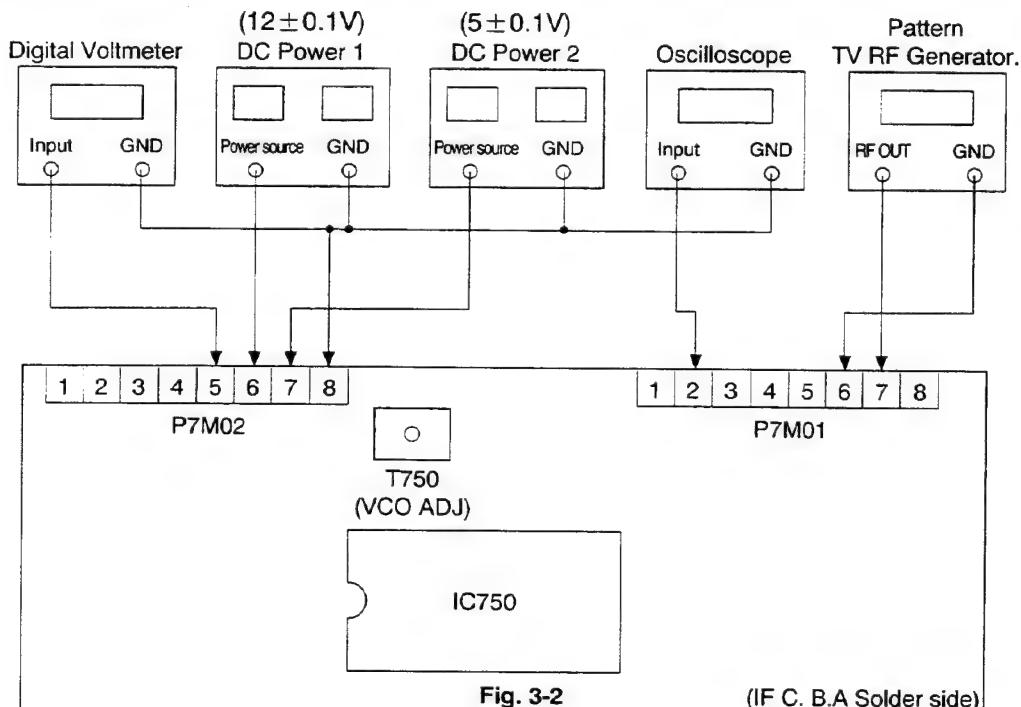
1) VCO (Voltage Controlled Oscillation) Adjustment

- MODE : PAL B/G (38.9MHz)
- SPEC : DC $2.5 \pm 0.1\text{V}$
- M.P : P7M02 pin⑤ (AFC CTL)
- A.P : T750 AFC
(Automatic Frequency Control)
(VCO COIL)

Procedure:

- a. Connect as shown in Fig. 3-2.
- b. Input the PAL B/G 38.9MHz (Strength of input electric field: $75 \pm 5\text{dBu}$) signal Out Terminal of TV RF Pattern GEN instrument.
- c. Confirm that the video signal is Output by connect oscilloscope to P7M01 ②PIN.
- d. Adjust VCO coil T750 so that the voltage of P7M02 pin⑤ became DC $2.5 \pm 0.1\text{V}$.

Connection



2) RF AGC (Automatic Gain Control) Adjustment

- MODE : EE 9CH
- SPEC : $6.0\text{V} \pm 0.1\text{V}$ p-p
- M.P : W393
- A.P : VR701

Procedure:

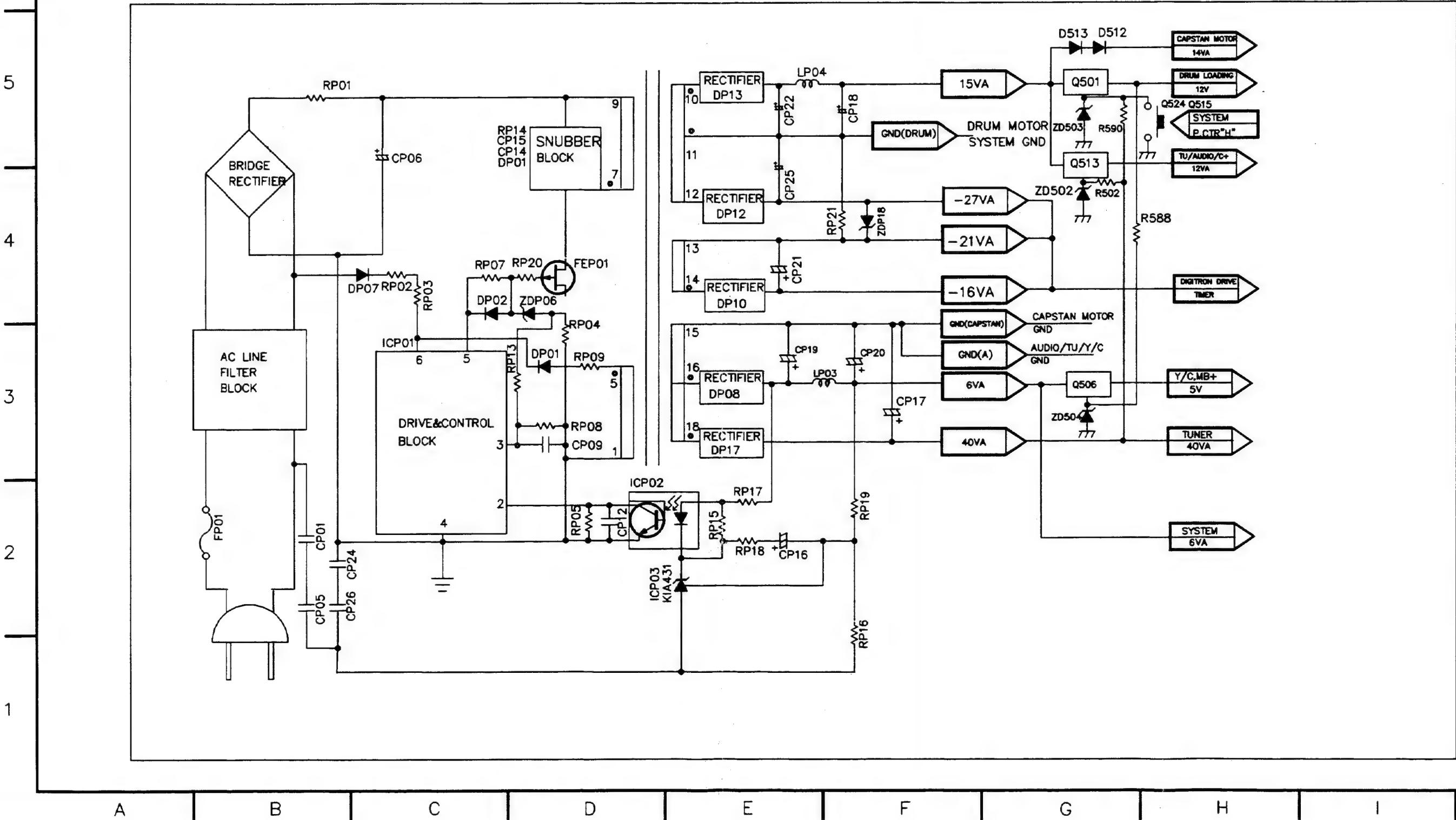
- a. Be tuning PAL 11CH (strength of input electric field: $70 \pm 1\text{dBu}$).
- b. Connect the Digital Voltmeter to Tuner AGC PIN.
- c. Adjust VR701 so that the digital voltmeter is $6.0 \pm 0.1\text{V}$.

Reference:

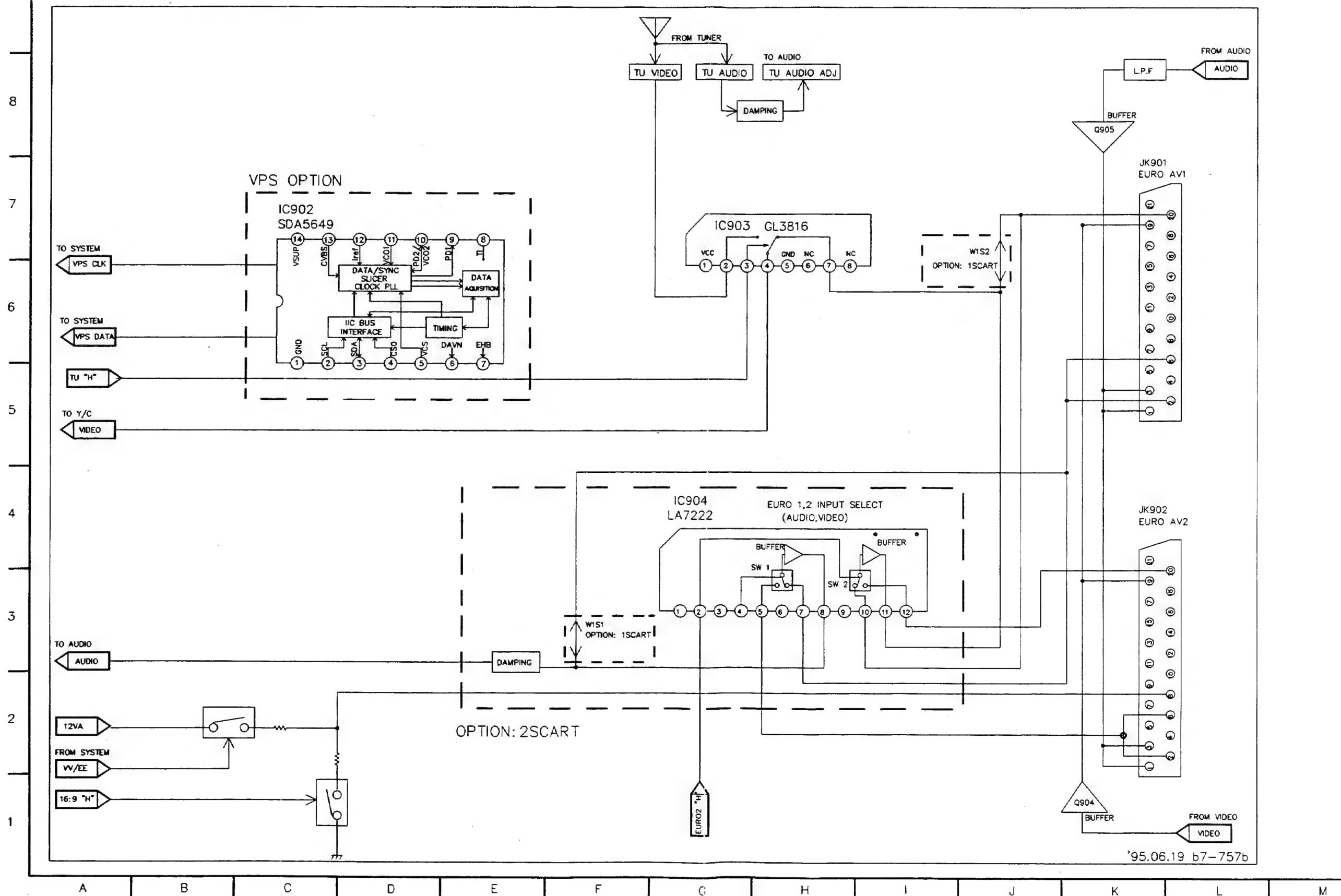
Maintain the input gain in adjusting AGC faithfully.

BLOCK DIAGRAMS

1. Power (SMPS) Block Diagram

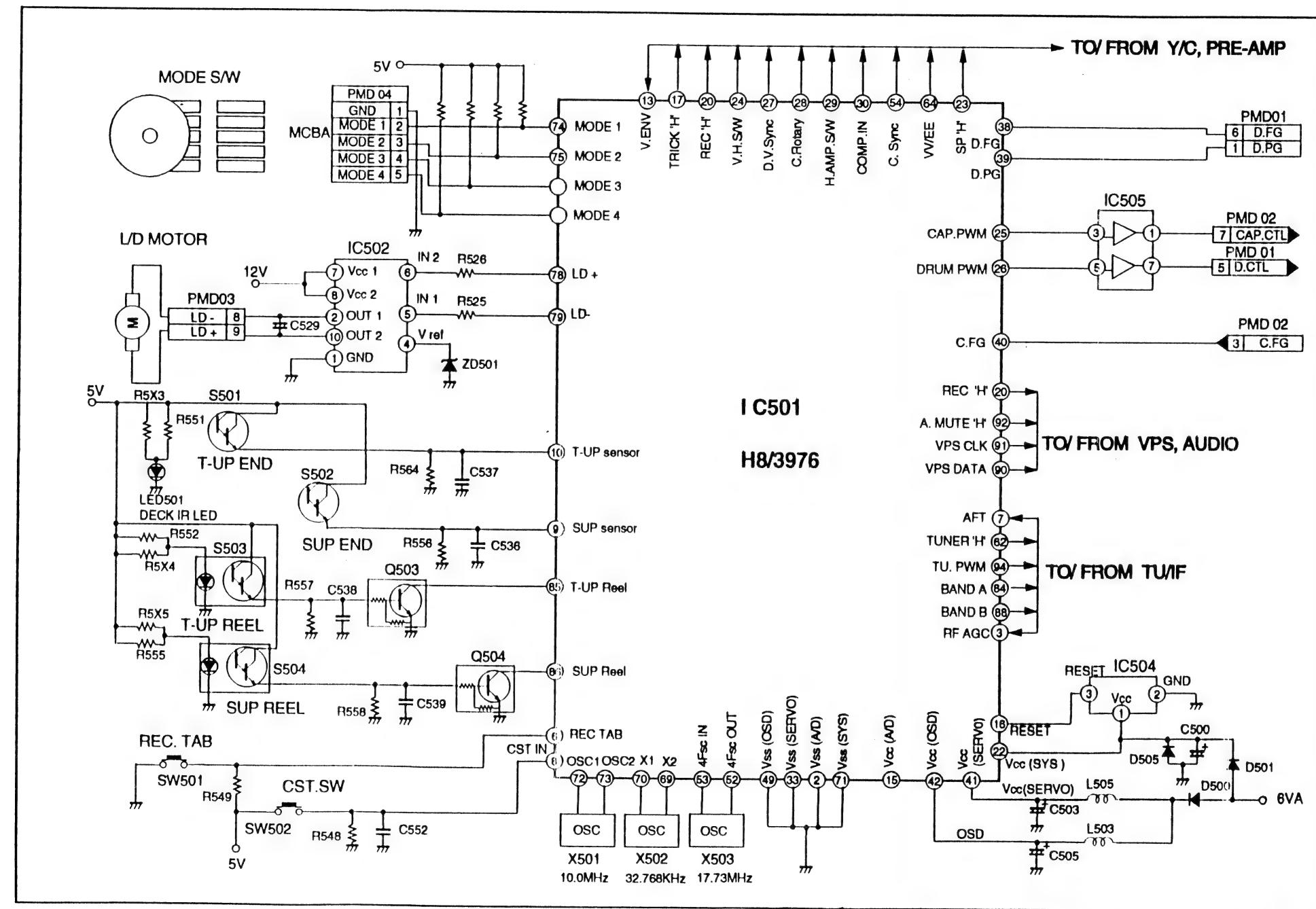


2. Jack Block Diagram

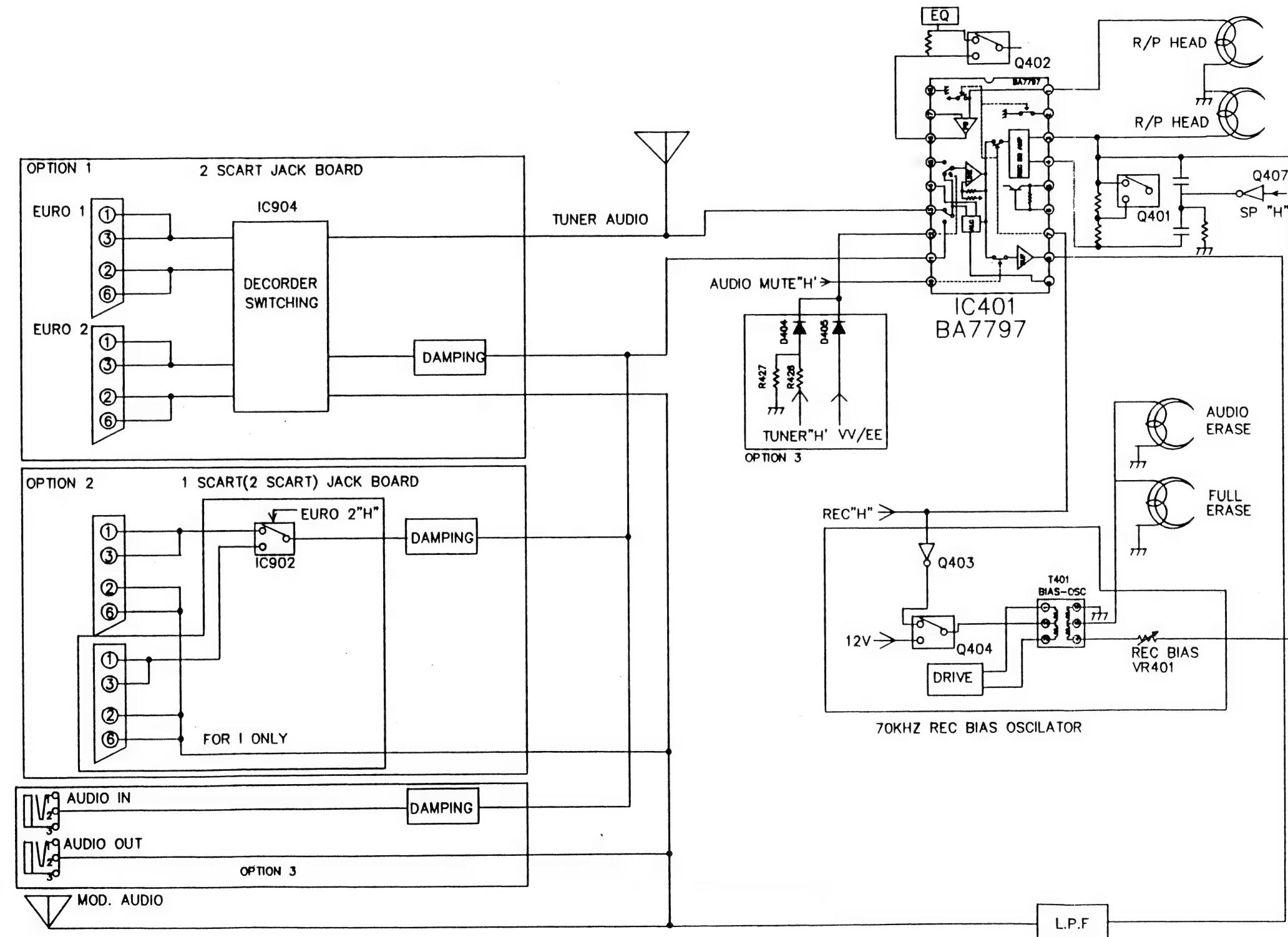


3. Servo/Syscon & Audio & Tuner & IF Block Diagrams

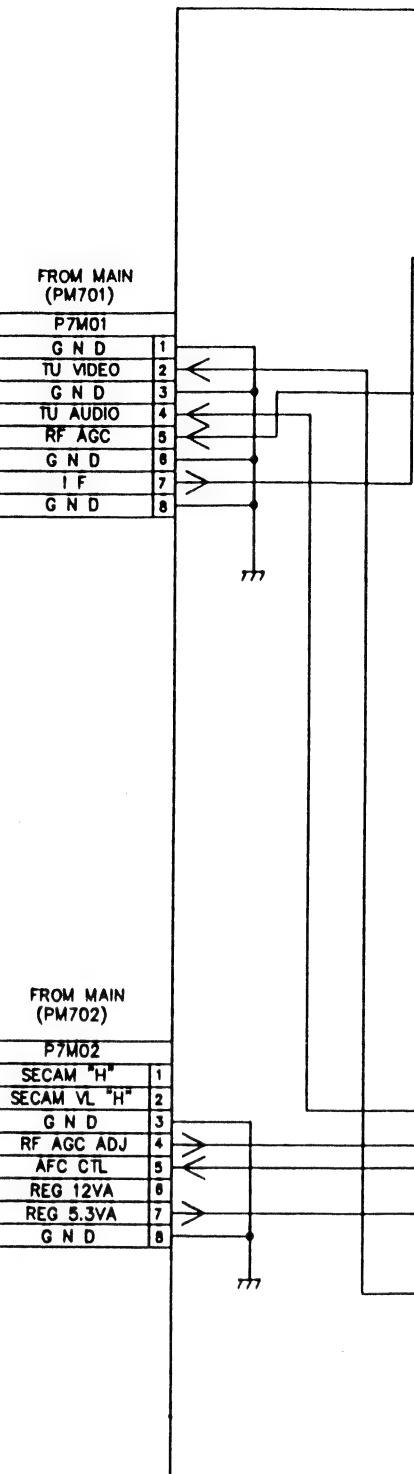
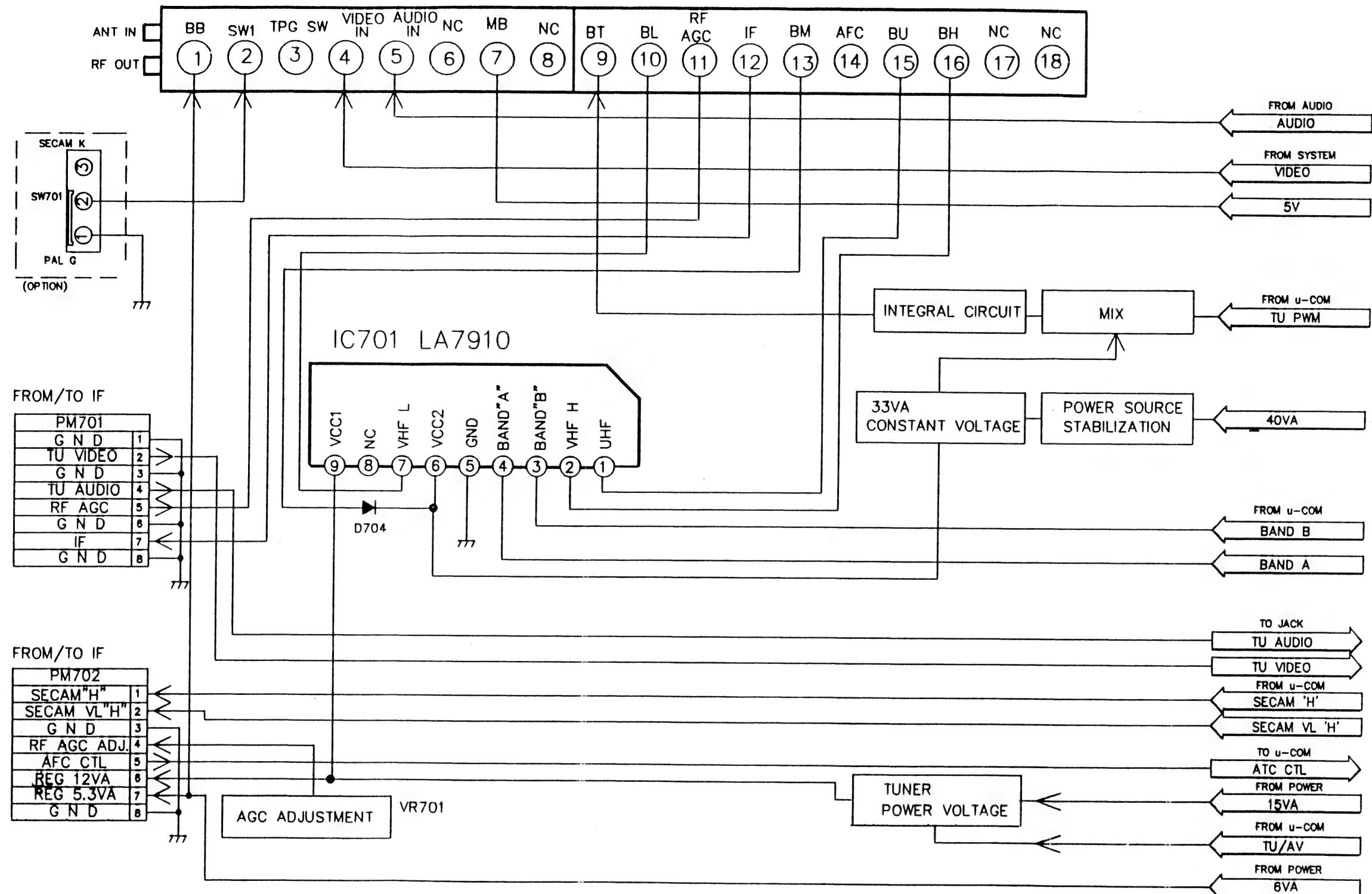
- Servo/Syscon



• Audio

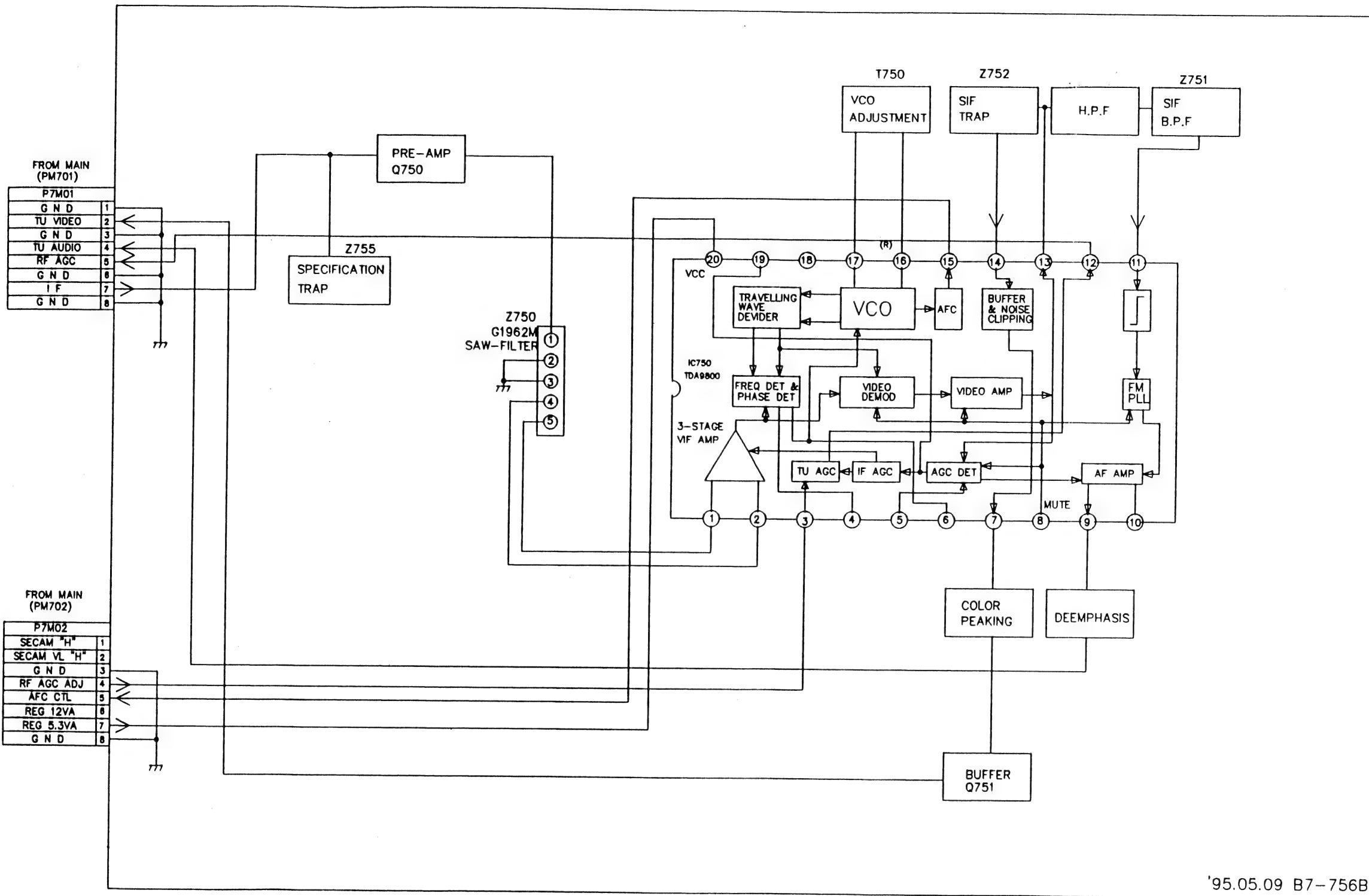


TU701 2IN1

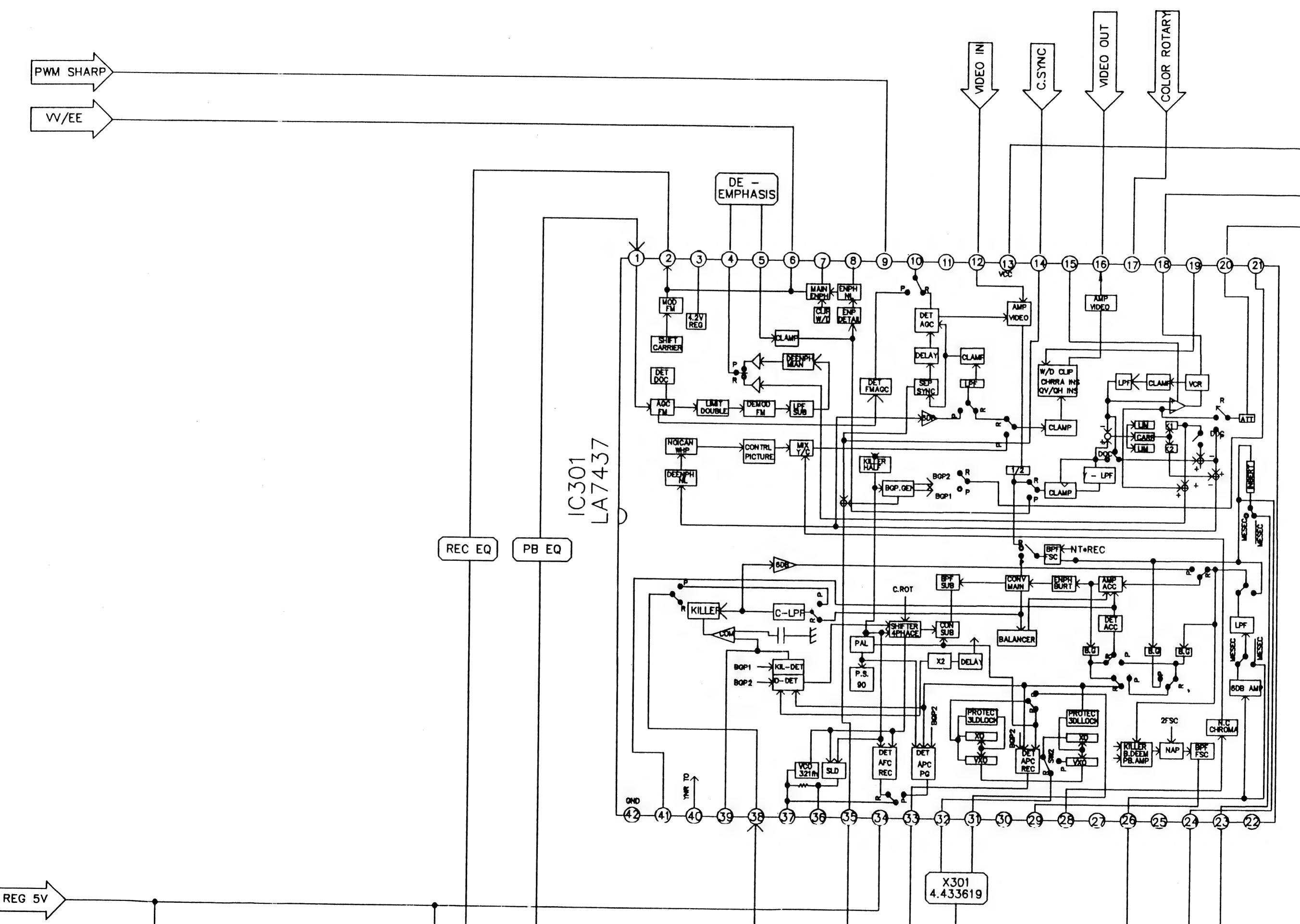


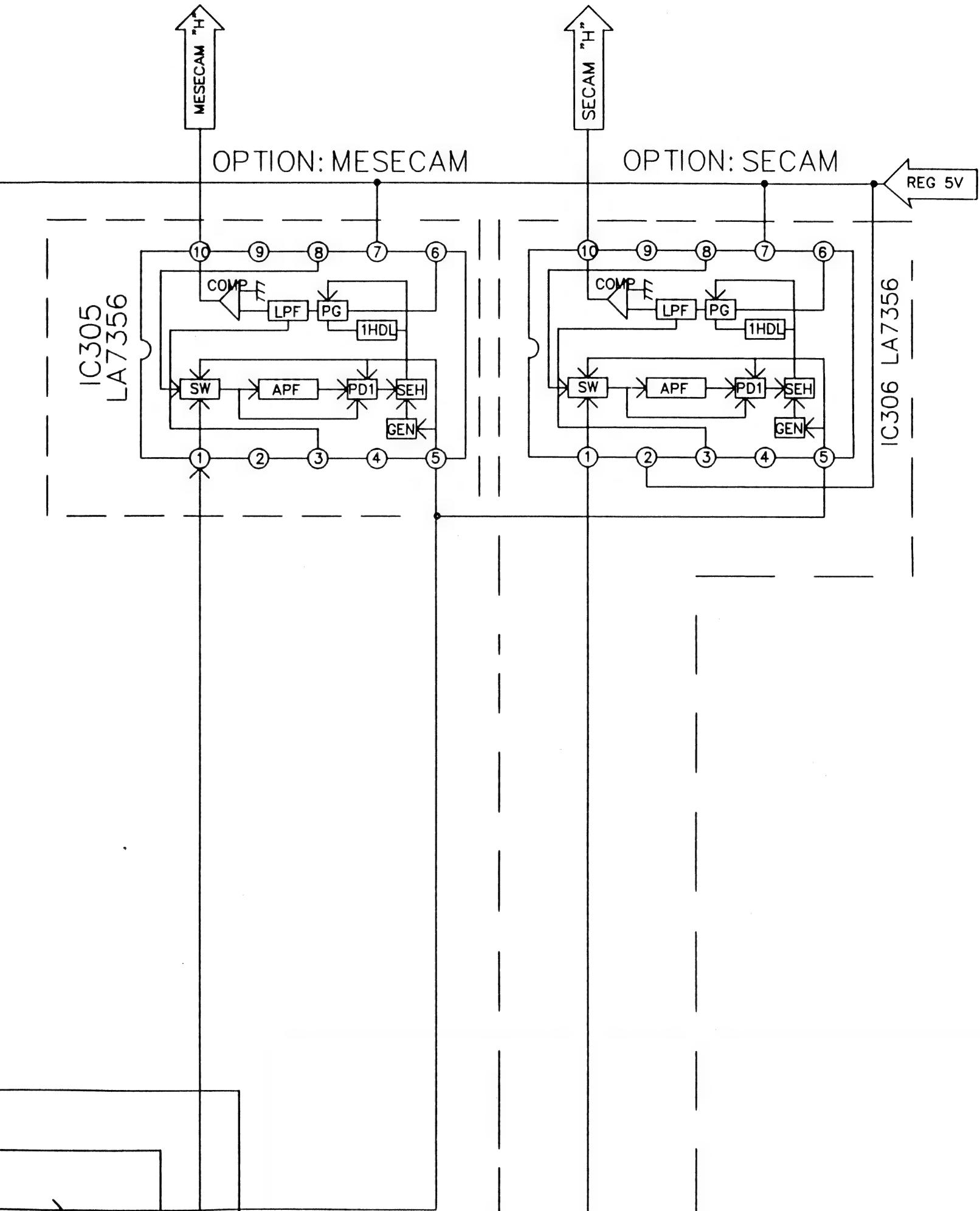
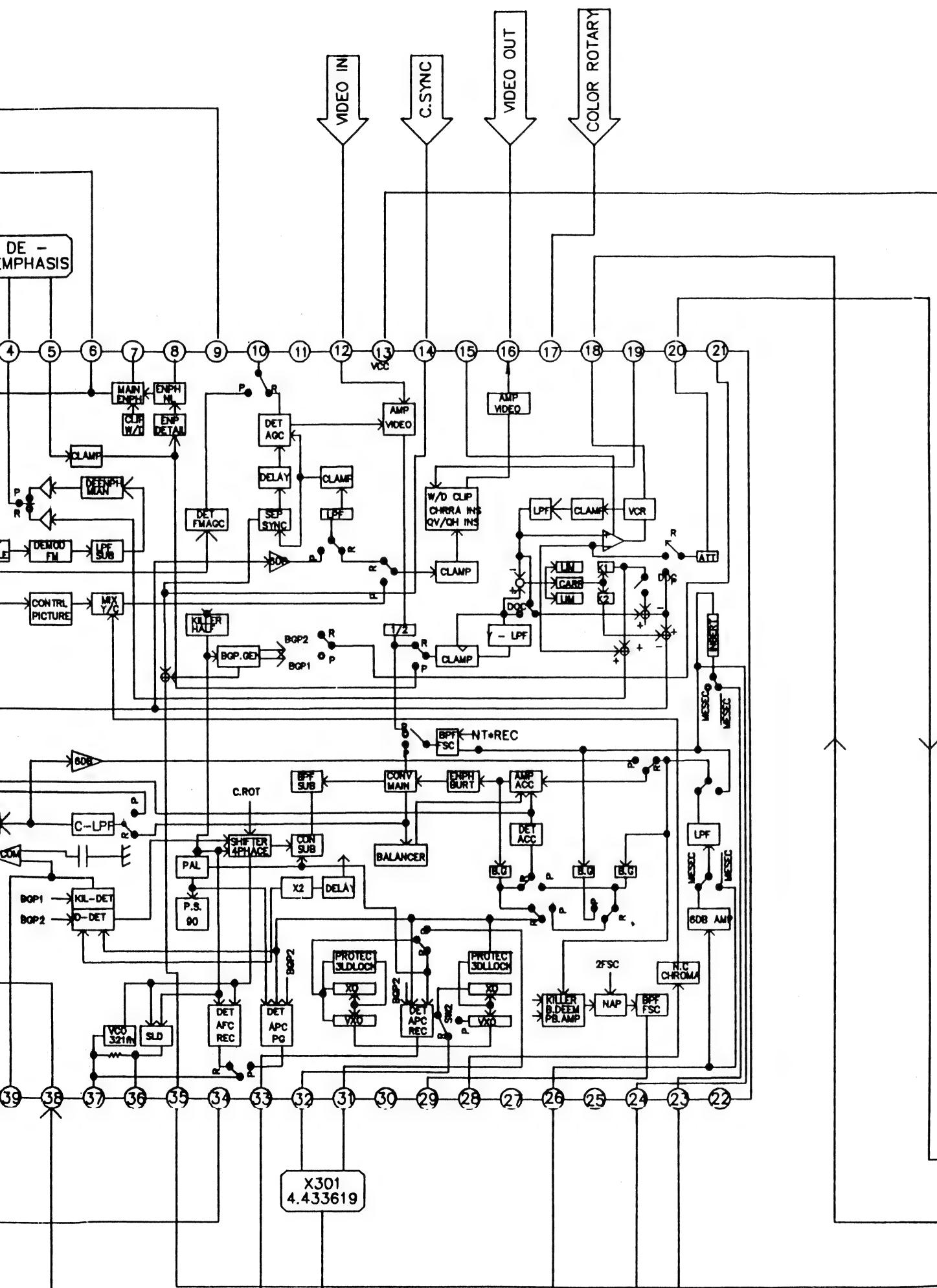
• IF Block Diagram

FROM AUDIO
 AUDIO
 FROM SYSTEM
 VIDEO
 5V
 FROM u-COM
 TU PWM
 40VA
 ROM u-COM
 BAND B
 BAND A
 TO JACK
 J AUDIO
 J VIDEO
 ROM u-COM
 ECAM 'H'
 ECAM VL 'H'
 TO u-COM
 TC CTL
 ROM POWER
 15VA
 ROM u-COM
 TU/AV
 ROM POWER
 6VA

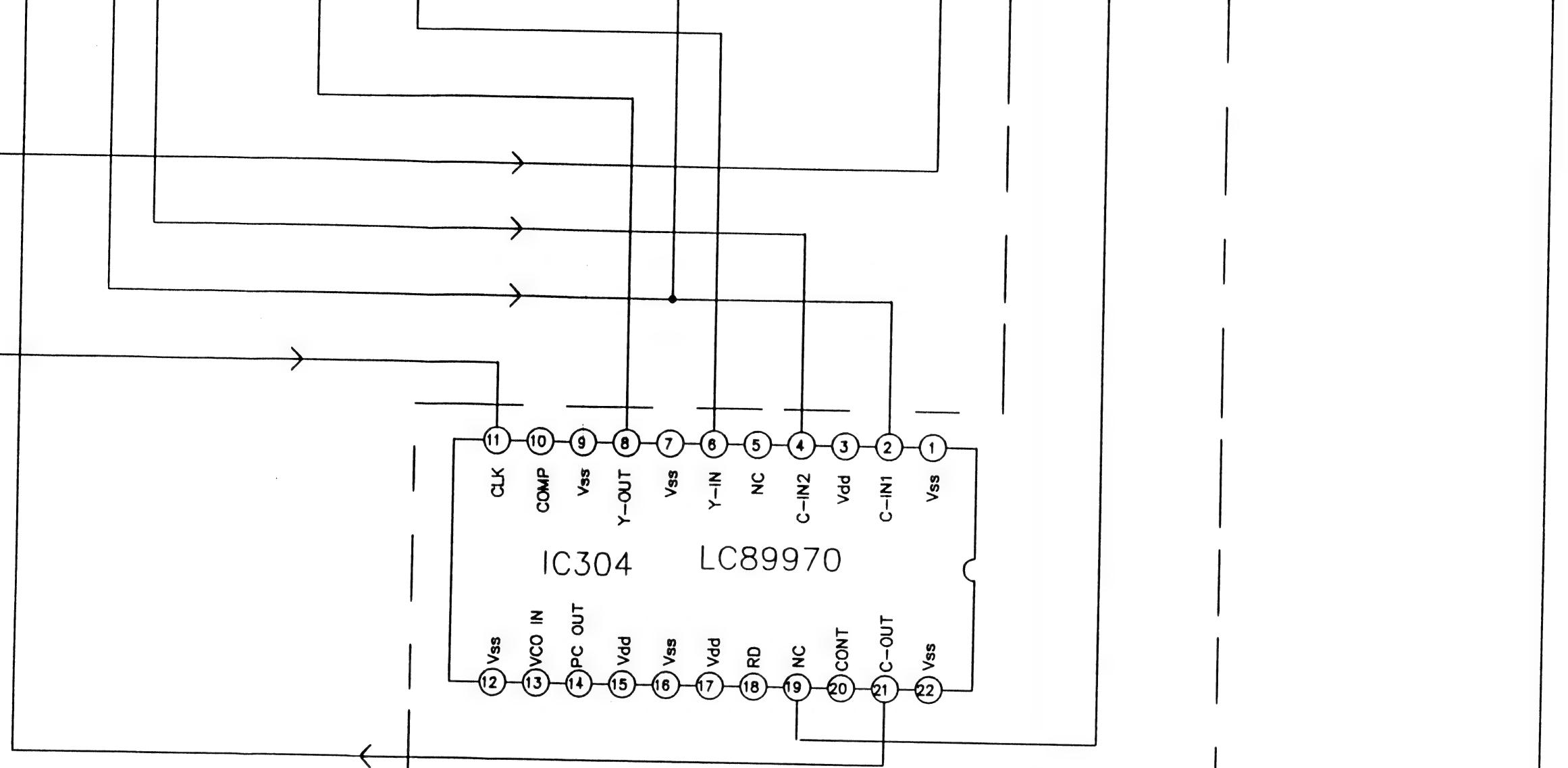


4. Y/C Block Diagram





X301
4.433619



'95.05.09 B7-755B

H

I

J

K

L

M

N

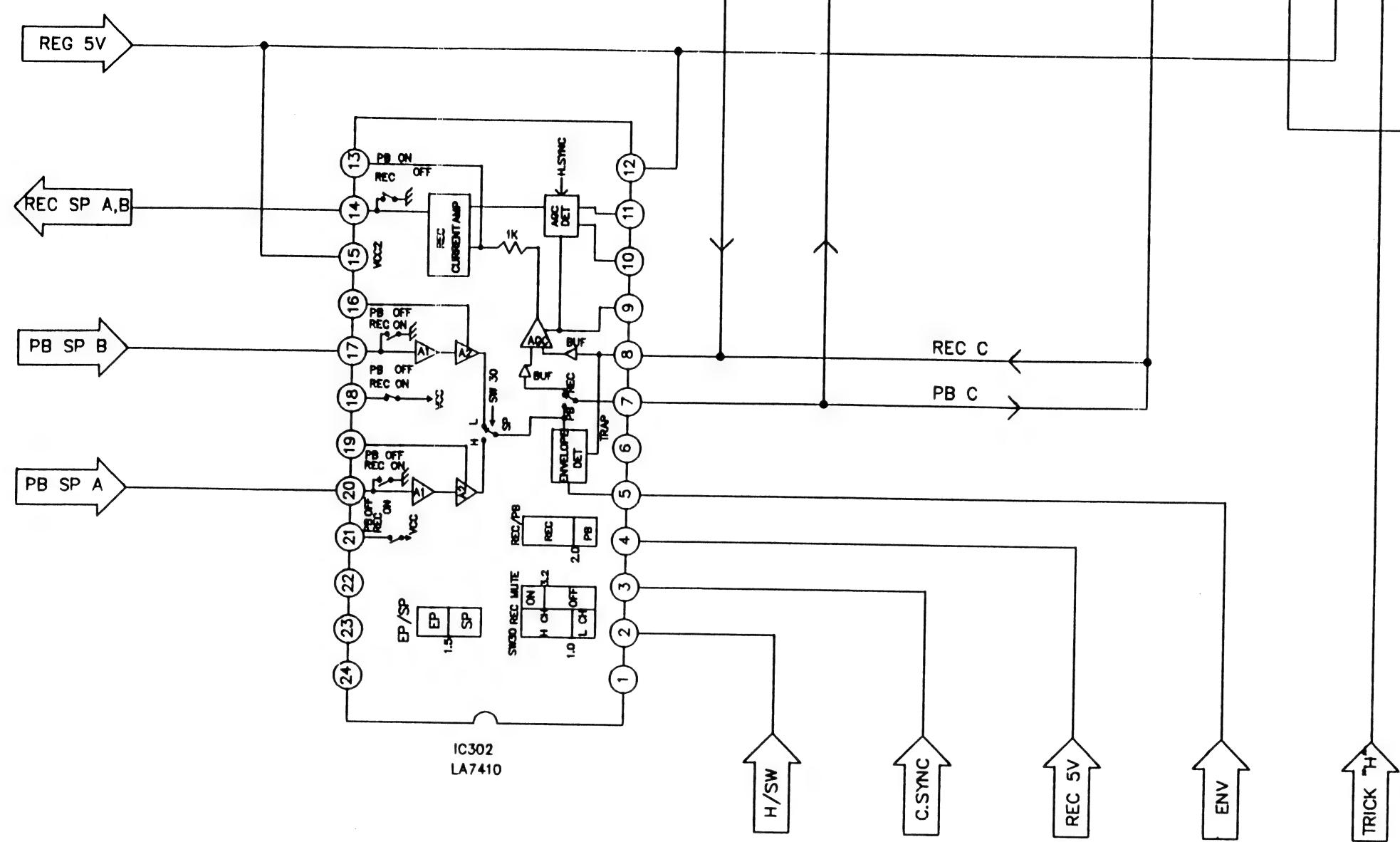
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F

3-13

3-14

X301
4.433619



A

B

C

D

E

F

G

H

I

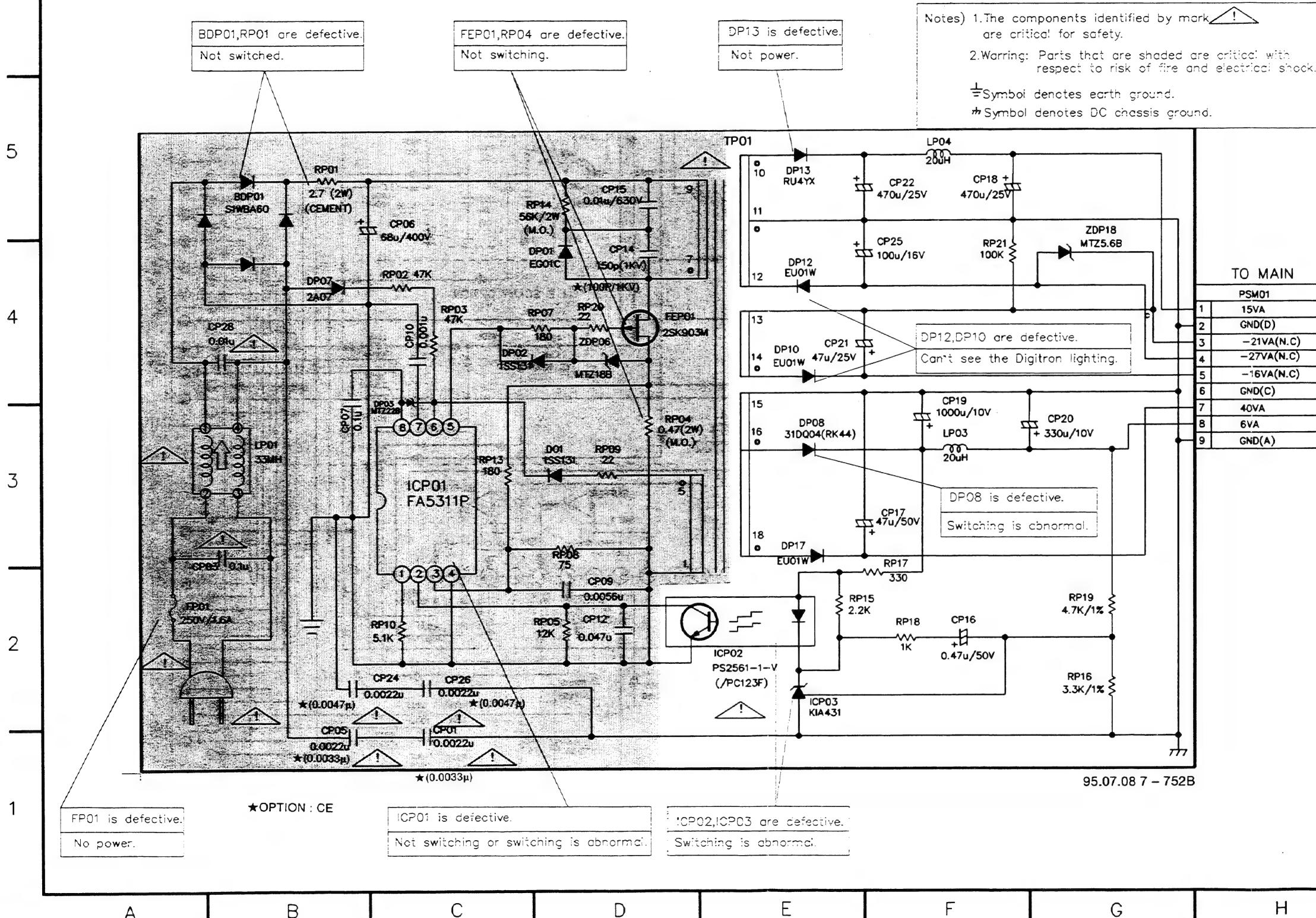
3-11

3-12

3-13

CIRCUIT DIAGRAMS

1. Power (SMPS) Circuit Diagram



LOCATION GUIDE

BDP01	B5	RP18	F2
CP01	B1	RP19	G2
CP03	A2	RP20	D4
CP05	C1	RP21	F4
CP06	C5	ZDP06	D4
CP07	B3	ZDP18	G5
CP09	D2		
CP10	C4		
CP12	D2		
CP14	D4		
CP15	D5		
CP16	F2		
CP17	F3		
CP18	F5		
CP19	F3		
CP20	G3		
CP21	E4		
CP22	F5		
CP24	C2		
CP25	F4		
CP26	C2		
CP28	B4		
D01	D3		
DP01	C4		
DP02	C4		
DP07	B4		
DP08	E3		
DP10	E4		
DP12	E4		
DP13	E5		
DP17	E3		
FEP01	D4		
FP01	A2		
ICP01	C3		
ICP02	E2		
ICP03	E2		
LP01	B3		
LP03	F3		
LP04	F5		
PSM01	H4		
RP01	B5		
RP02	C4		
RP03	C4		
RP04	D3		
RP05	D2		
RP07	C4		
RP08	D4		
RP09	D3		
RP10	D3		
RP11	C2		
RP12	C3		
RP13	C3		
RP14	C5		
RP15	E2		
RP16	G2		
RP17	F2		
RP18	F2		
RP19	F2		
RP20	F2		
RP21	F2		
RP22	F2		
RP23	F2		
RP24	F2		
RP25	F2		
RP26	F2		
RP27	F2		
RP28	F2		
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RP30	F2		
RP31	F2		
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RP199	F2		
RP200	F2		
RP201	F2		
RP202	F2		
RP203	F2		
RP204	F2		
RP205	F2		
RP206	F2		
RP207	F2		
RP208	F2		
RP209	F2		
RP210	F2		
RP211	F2		
RP212	F2		
RP213	F2		
RP214	F2		
RP215	F2		</

2. Jack Circuit Diagram

- ⇒ VIDEO OUT SIGNAL
- ⇒ VIDEO IN SIGNAL
- ⇒ AUDIO IN SIGNAL
- ⇒ AUDIO OUT SIGNAL

IC301 is defective.
Can't see visual signal.

Q905 is defective.
NO sound signal output.

Q904 is defective.
NO visual signal output.

C925 is defective.
Sound signal output is small.

LOCATION GUIDE

B901	J5	I5
B902	J2	B6
C901	E6	E2
C902	D6	F7
C903	D6	J6
C905	C6	J7
C906	C6	J7
C907	J3	H7
C910	G6	H8
C911	F6	H7
C913	F4	I5
C914	F4	H6
C920	H3	G2
C921	I3	K7
C922	I3	I2
C923	I6	H2
C924	L5	J7
C925	L2	J7
C926	C928	J7
C930	C932	G7
C932	C933	G7
C933	C936	I7
C936	C937	I6
C938	C939	J6
C939	C940	J3
C940	C941	H7
D901	F2	I7
D905	C2	C5
IC902	IC903	F6
IC903	IC904	G4
JK901	JK902	L5
JK902	L901	L3
L901	F4	F4
L902	L903	C6
L903	L904	J7
L904	L905	J4
L905	L906	J2
L906	L907	J2
L907	L908	J2
L908	L909	J6
L909	P9M01	G7
P9M01	P9M02	A4
P9M02	O901	A6
O901	Q902	D3
Q902	Q903	E2
Q903	Q904	H6
Q904	Q905	H8
R901	R902	E6
R902	R903	E6
R903	R904	D6
R904	R905	D6
R905	R906	D6
R906	R907	D6
R907	R908	D6
R908	R909	D6
R909	R910	D2
R910	R911	D2
R911	D901	D2
D901	1SS131	D2
1SS131	Q902	D2
Q902	Q903	D2
Q903	ZD901	D2
ZD901	ZD902	D2
ZD902	ZD903	D2
ZD903	ZD904	D2
ZD904	ZD905	D2
ZD905	ZD906	D2
ZD906	R915	K7
R915	R916	I2
R916	R917	I2
R917	R918	I2
R918	R919	I2
R919	R920	I2
R920	R921	I2
R921	R922	I2
R922	R923	I2
R923	R924	I2
R924	R925	I2
R925	R926	I2
R926	R927	I2
R927	R928	I2
R928	JK901	EAV1
JK901	JK902	EAV2
JK902	JK903	EAV2
JK903	JK904	EAV2
JK904	JK905	EAV2
JK905	JK906	EAV2
JK906	JK907	EAV2
JK907	JK908	EAV2
JK908	JK909	EAV2
JK909	JK910	EAV2
JK910	JK911	EAV2
JK911	JK912	EAV2
JK912	JK913	EAV2
JK913	JK914	EAV2
JK914	JK915	EAV2
JK915	JK916	EAV2
JK916	JK917	EAV2
JK917	JK918	EAV2
JK918	JK919	EAV2
JK919	JK920	EAV2
JK920	JK921	EAV2
JK921	JK922	EAV2
JK922	JK923	EAV2
JK923	JK924	EAV2
JK924	JK925	EAV2
JK925	JK926	EAV2
JK926	JK927	EAV2

8

7

6

5

4

3

2

1

FROM MAIN
(PM902)

P9M02	VIDEO	1
	GND	2
	GND	3
	TU VIDEO	4
	GND	5
	TU AUDIO	6
	GND	7
	TU AUDIO ADJ	8
	GND	9
	AUDIO/L AUDIO	10
	GND	11
	AUDIO	12
	GND	13
	AV2 VIDEO TP	14
	GND	15
	AV1 VIDEO TP	15

FROM MAIN
(PM901)

P9M01	AV2 AUDIO TP	1
	GND	2
	AV1 AUDIO TP	3
	P/C DET "H"	4
	P/C DATA/EU2 "H"	5
	VIDEO	6
	16:9 "H"	7
	REG 5.3VA	8
	TUNER "H"	9
	VV/EE	10
	VPS/PDC SLK	11
	VPS/PDC SDA	12
	GND	13
	REG 12VA	14
	SCART "H"	15

Q901 is defective.
Unworking transfer
TV to AV mode.

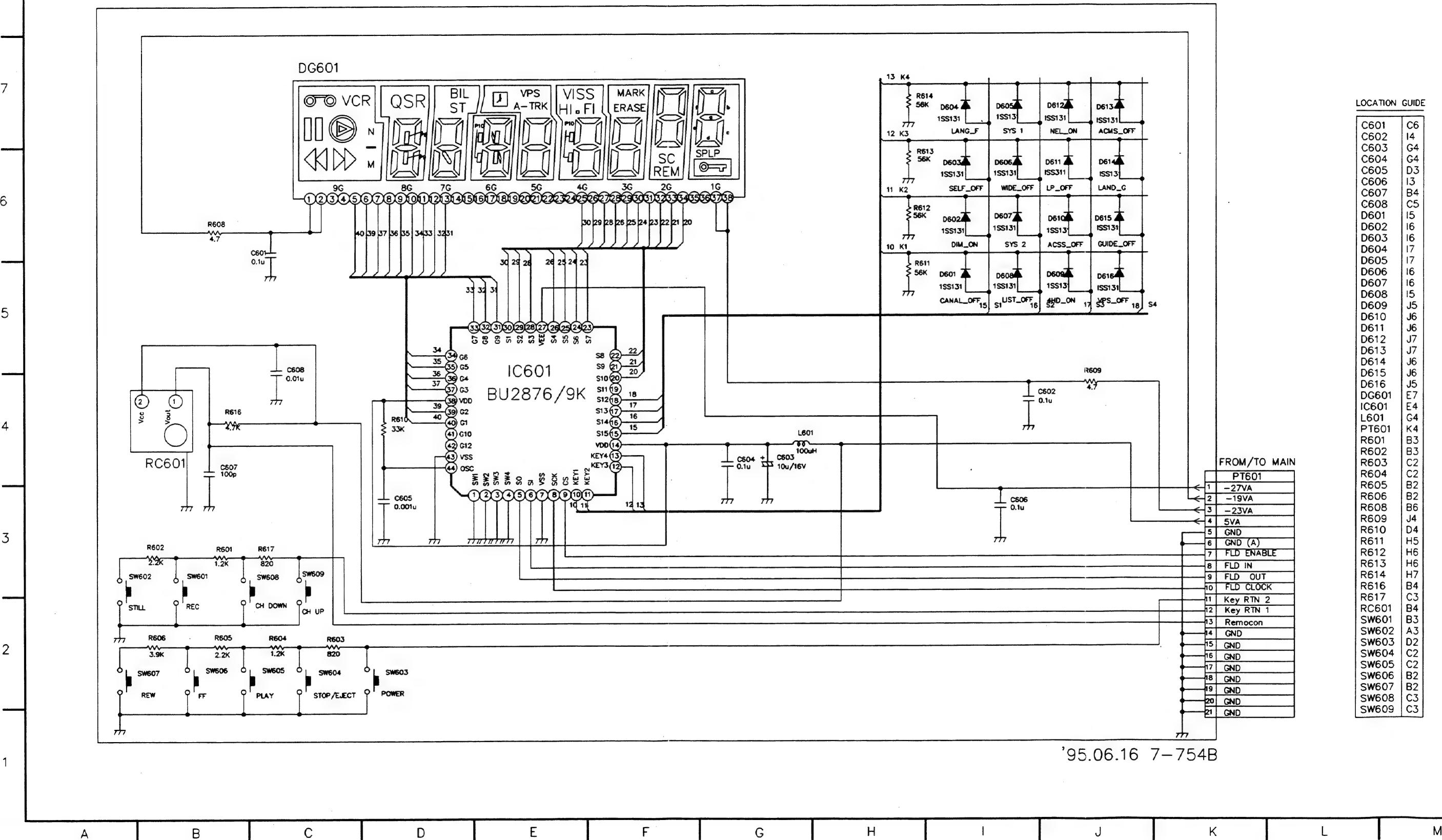
3-17

3-18

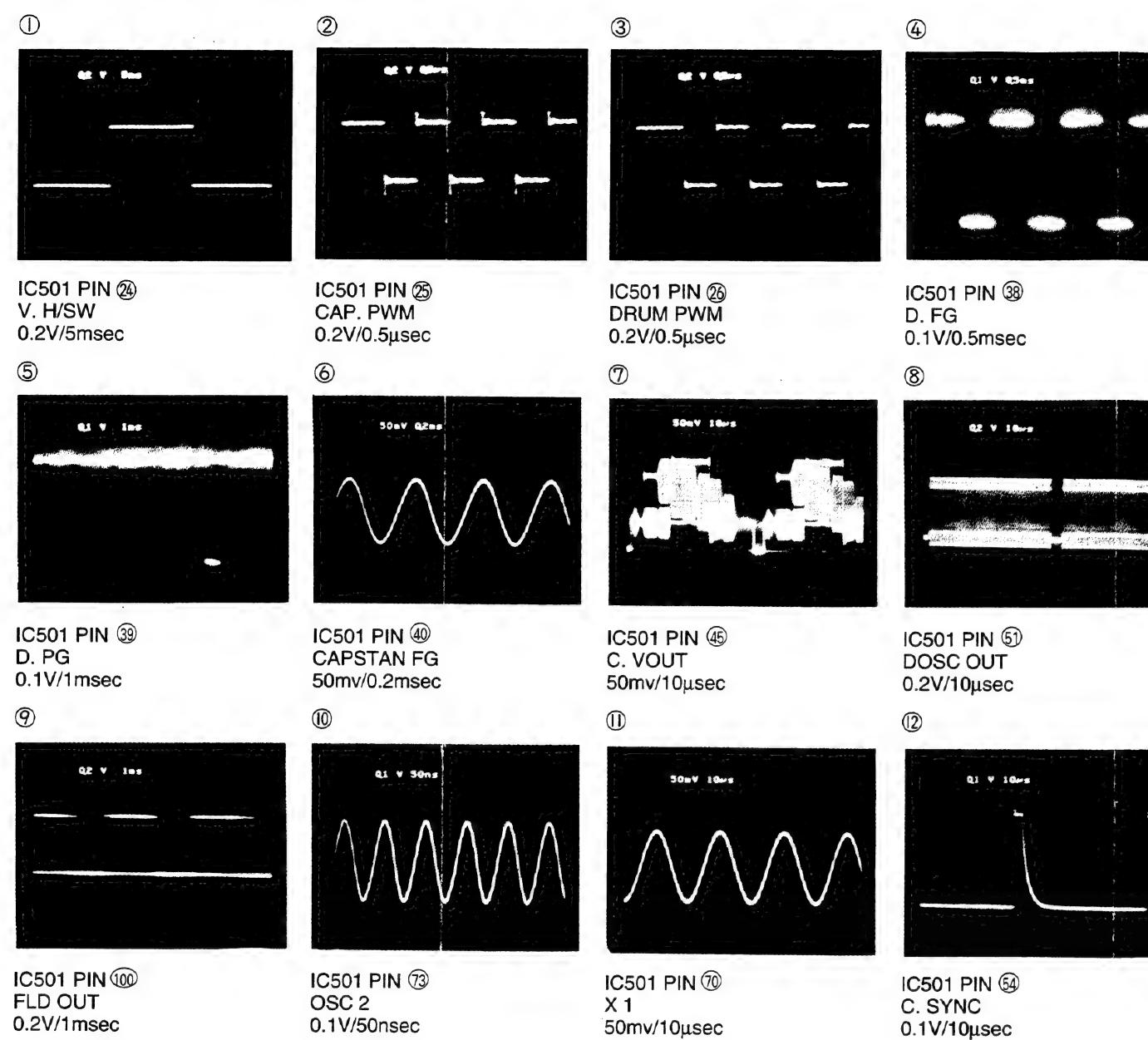
'95.06.15 7-757B

M

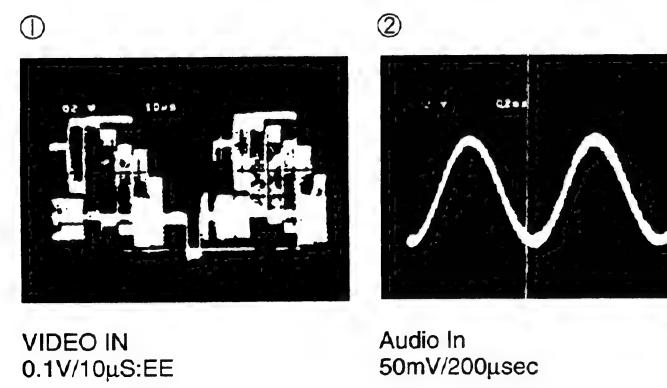
3. Timer Circuit Diagram



★ Servo Oscilloscope Waveform



★ Tuner Oscilloscope Waveform

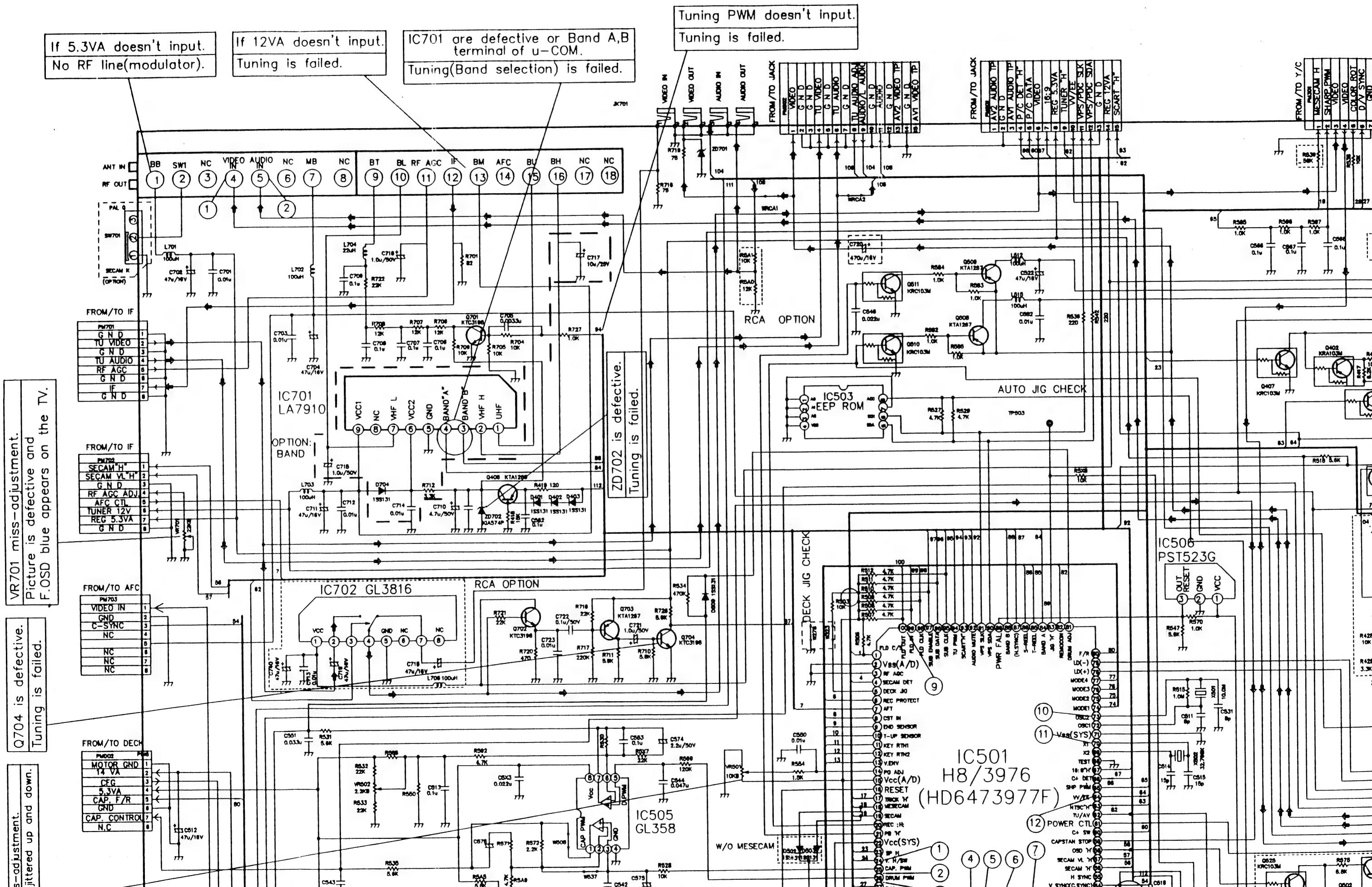


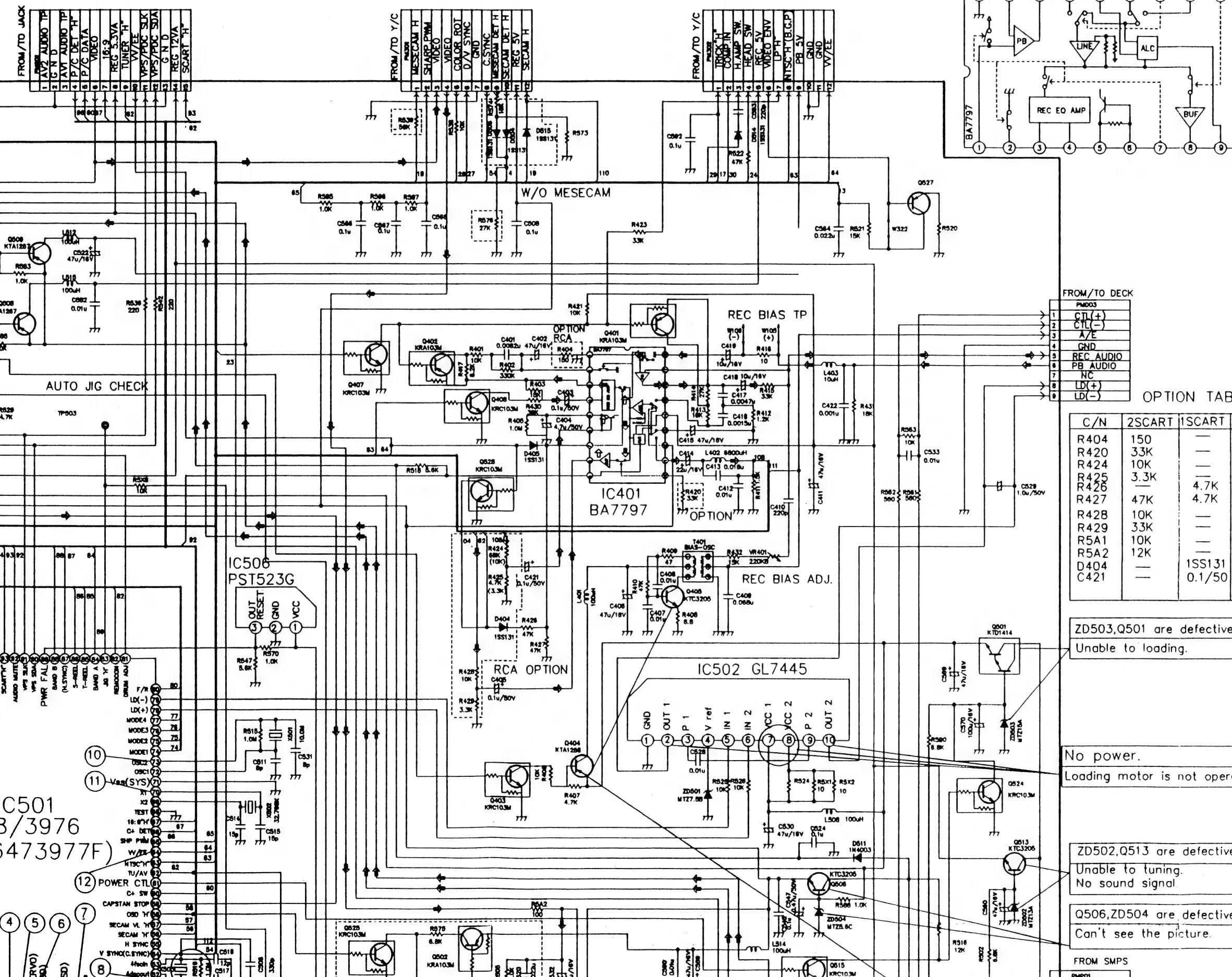
★ Servo/Syscon IC Voltage Sheet

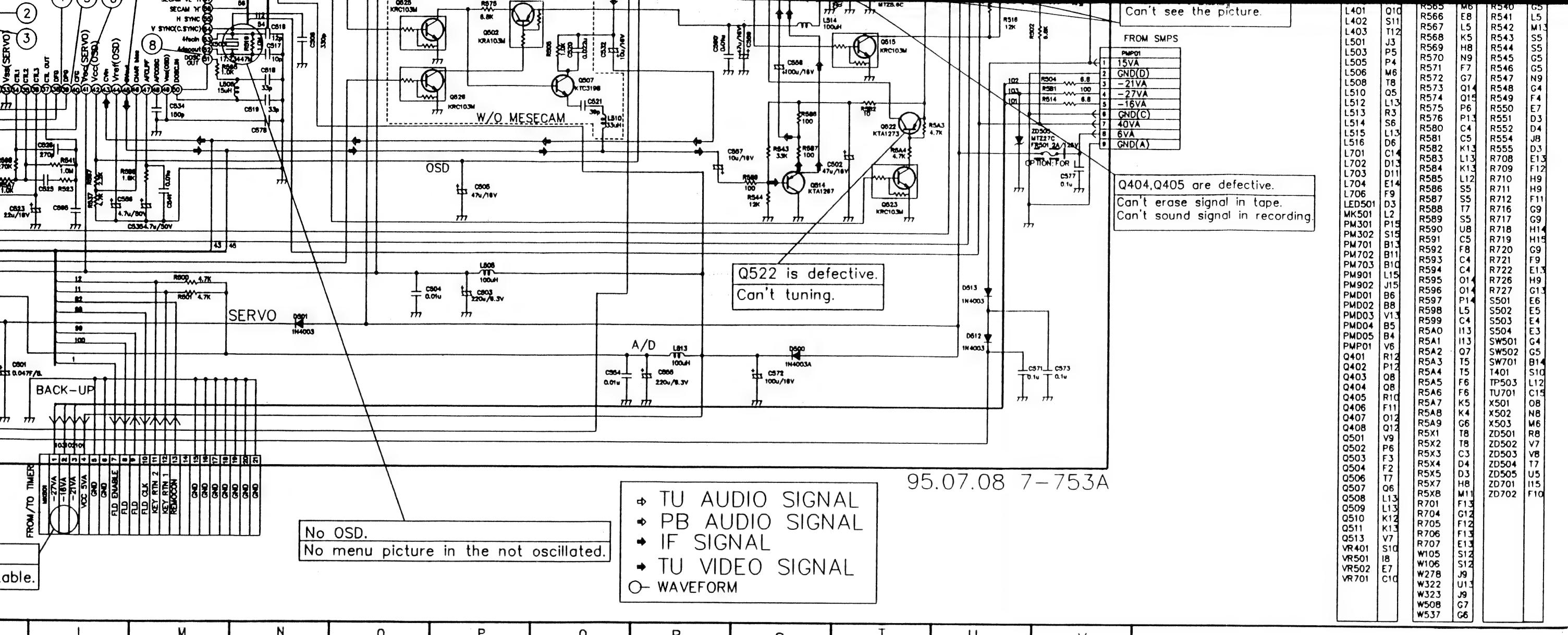
	PB(REC)																			
	5 (5)	5 (5)	5 (5)	0 (0)	5 (5)	5 (5)	5 (5)	4.2 (4.2)	0 (5)	5 (5)	5 (5)	5 (5)	0 (0)	5 (5)	5 (5)	5 (5)	4.8 (4.8)	5 (5)	5 (5)	0 (0)
5 (5)	100				95					90							85		80	0 (0)
0 (0)		1																		5 (5)
4 (4)																				5 (5)
0 (0)																				5 (5)
5 (5)		5																		0 (0)
0 (5)																				75
4.5 (4.5)																				5 (5)
0 (0)																				4 (4)
0 (0)																				3 (3)
0.1 (0)		10																		0 (0)
5 (5)																				70
5 (5)																				0.8 (0.8)
1.5 (0)																				2.5 (2.5)
2.5 (2.5)																				0 (0)
5 (5)		15																		65
5 (5)																				0 (0)
0 (0)																				0 (0)
0 (0)																				5 (5)
0 (5)		20																		60
5 (0)																				5 (5)
5 (5)																				2.8 (2.8)
5 (5)																				0 (5)
5 (0)																				0 (0)
5 (5)		25																		55
5 (5)																				0 (0)
0 (0)																				4 (4)
5 (5)																				2.4 (2.4)
0 (0)																				2.4 (2.4)
0 (0)																				5 (0)
0 (0)		30																		50
	2.5 (4.5)	2.5 (4.5)	0 (0)	2.5 (2.5)	2.5 (2.5)	2.5 (2.5)	2.5 (2.5)	4.5 (4.5)	4.5 (4.5)	3.5 (3.5)	5 (5)	5 (5)	2.5 (1.5)	1.2 (1.2)	2.5 (2)	3.2 (3.2)	3 (1.8)	3 (1.5)	0 (0)	4 (0)

★ Audio IC Voltage Sheet

4. Servo/Syscon & Audio & Tuner Circuit Diagrams



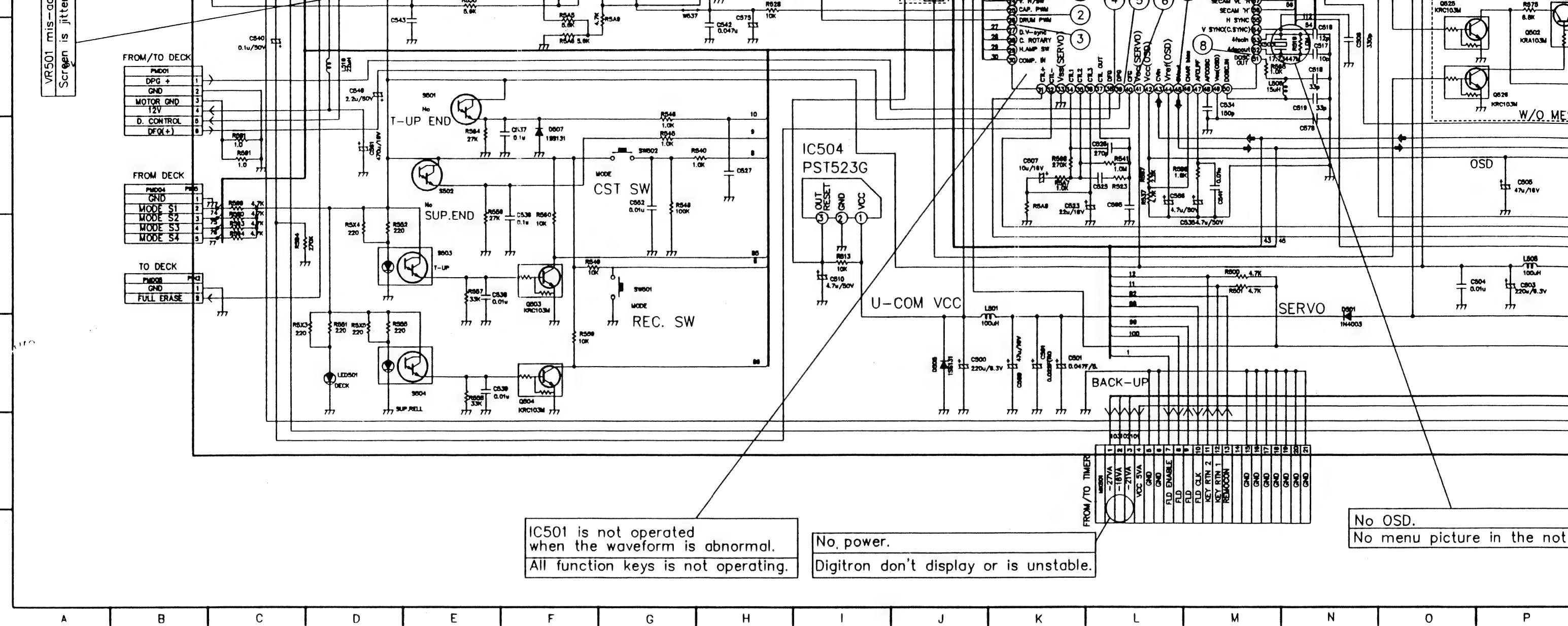




3-25

3-26

VR501 mis-jitter
Screen is jitter



3-23

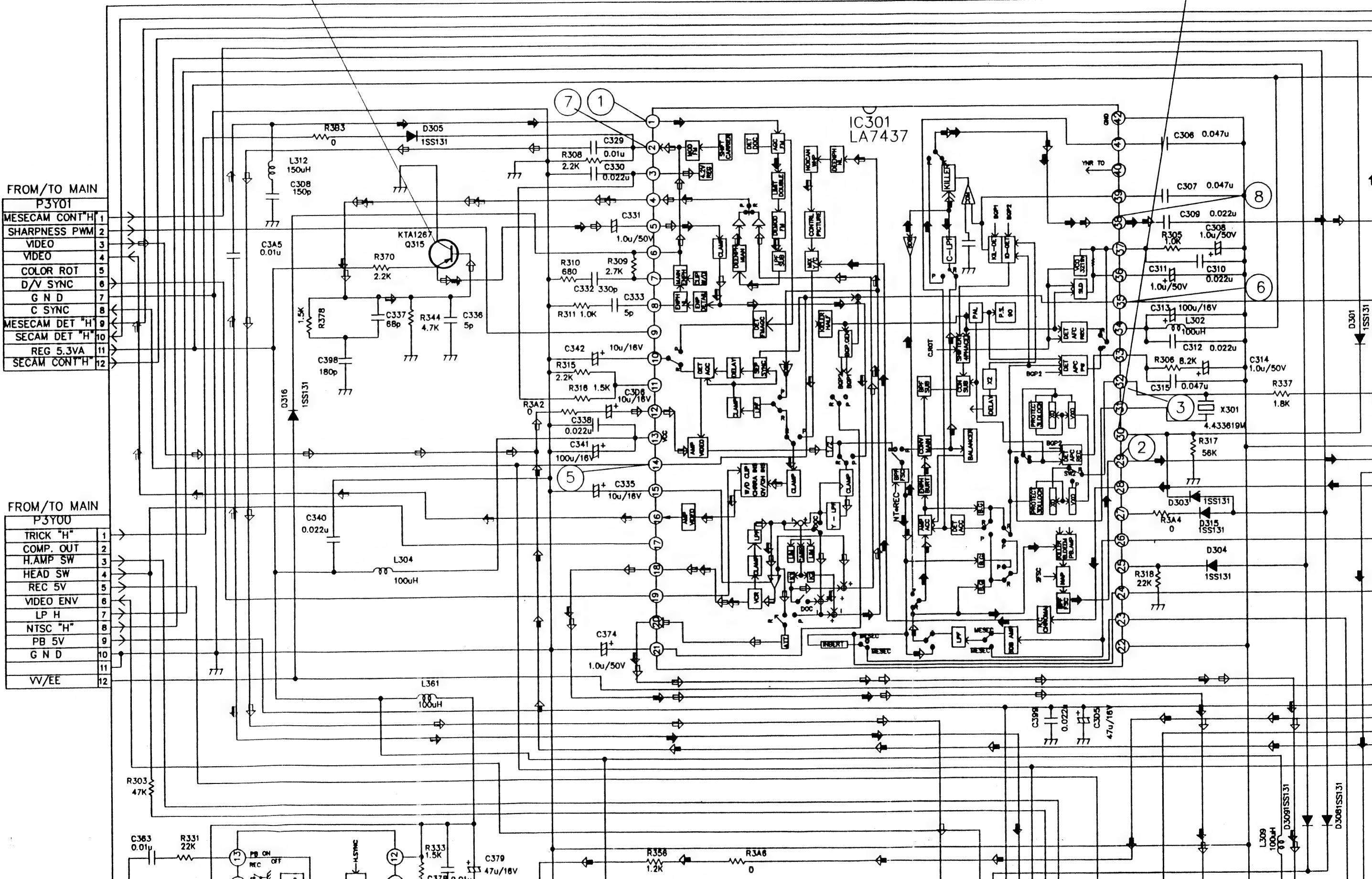
3-24

3-25

5. Y/C Circuit Diagram

Q315 is defective.
Playback screen doesn't appear.

IC301 Pin30 is defective.
PAL,MESECAM mode detecty is failed.
Color signal is unstable.

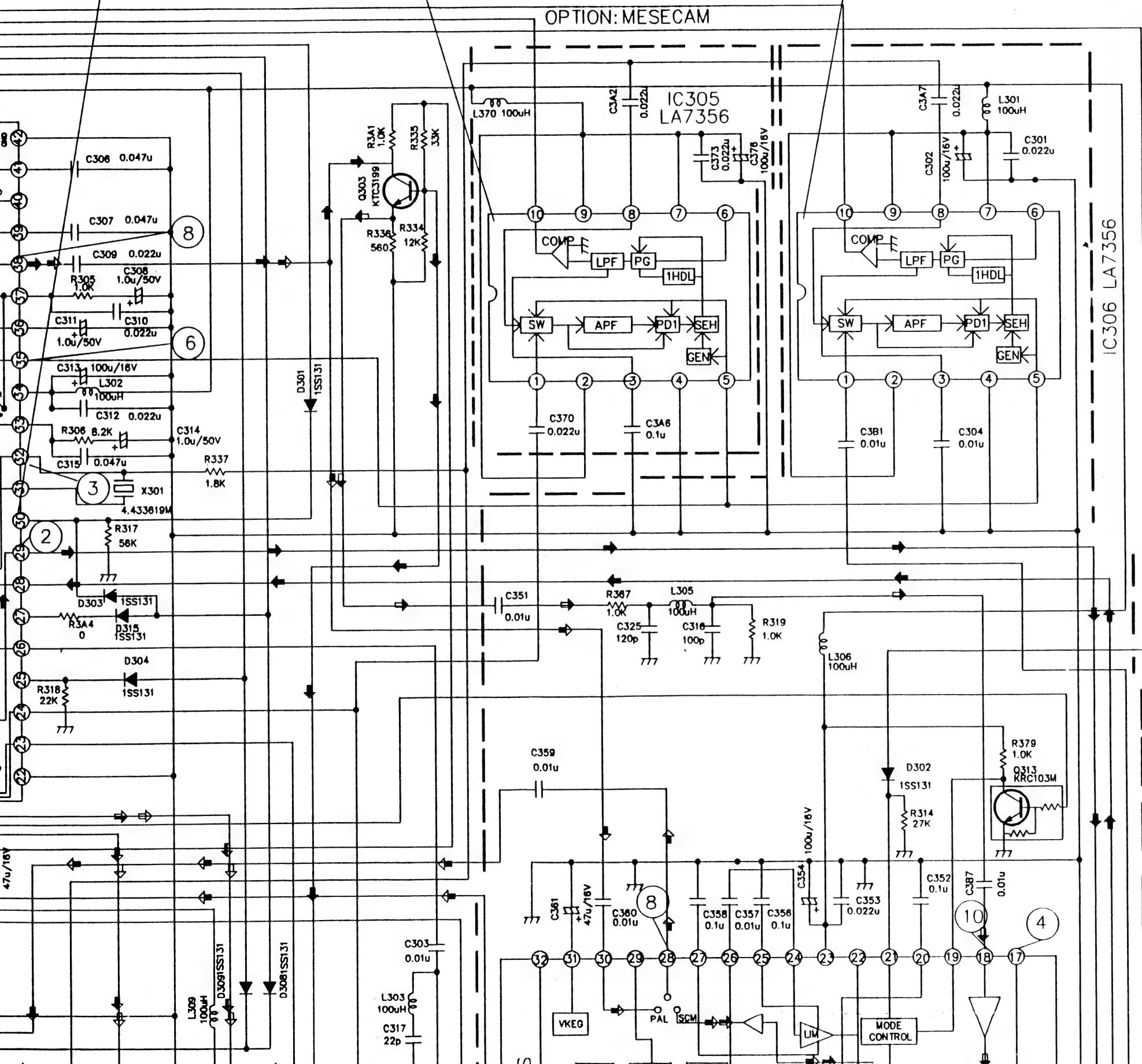


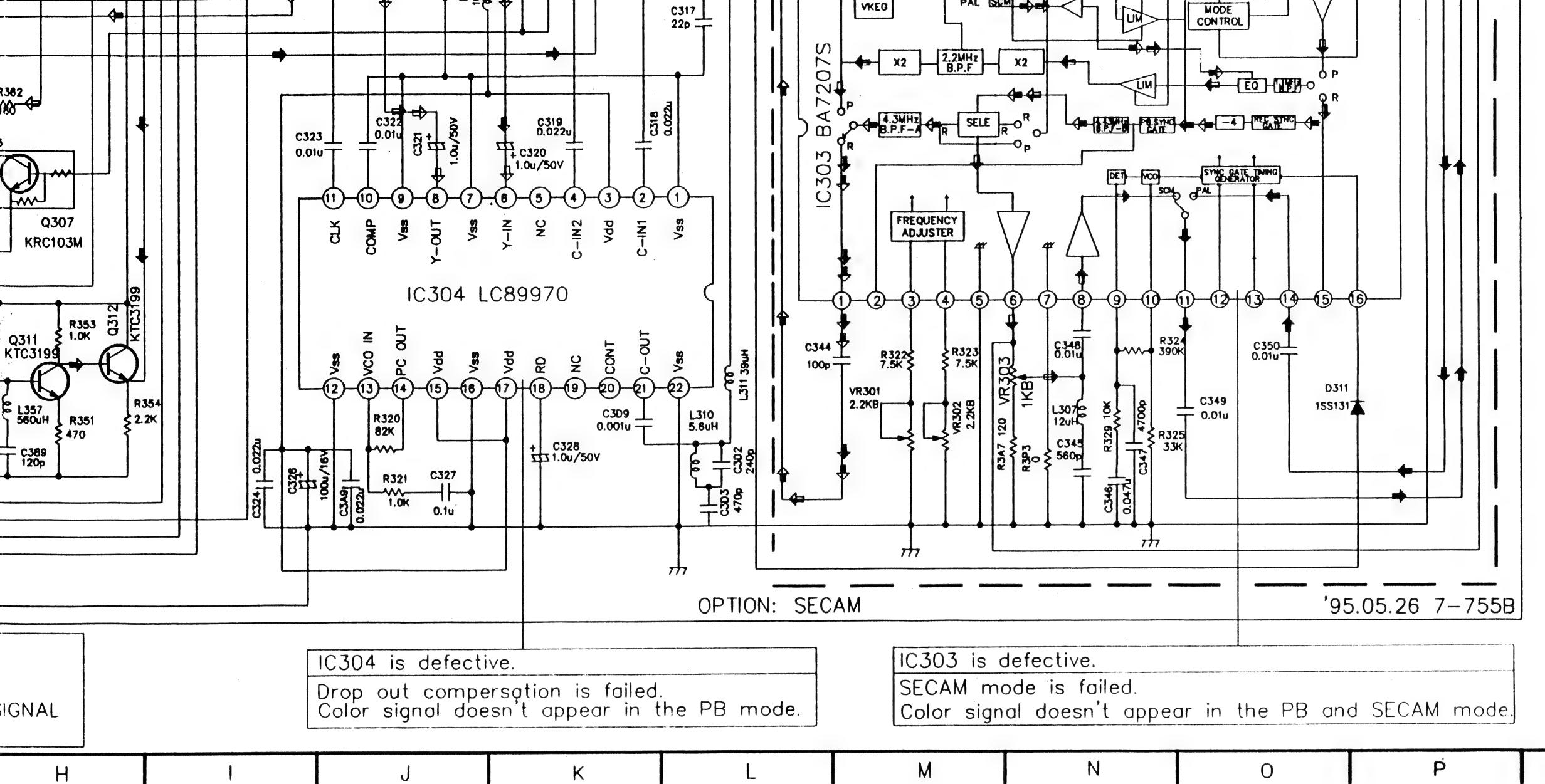
C301	P10	IC304	J14
C302	O10	IC305	I13
C303	L5	IC306	I14
C304	O8	L301	O10
C305	E2	L302	J9
C306	J10	L303	L5
C307	J10	L304	D7
C308	J9	L305	M7
C309	J10	L306	N7
C310	J9	L307	N2
C311	J9	L309	J5
C312	J9	L310	L2
C313	J9	L311	L2
C314	J8	L312	C10
C315	J8	L315	F3
C316	M7	L350	E3
C317	L5	L353	G4
C318	K4	L354	F2
C319	K4	L355	G3
C320	K4	L356	G3
C321	J4	L357	H2
C322	J4	L358	G4
C323	I4	L359	G4
C324	I2	L361	D6
C325	M7	L370	L10
C326	I2	L371	F4
C327	J2	L372	F4
C328	K2	P3Y00	A7
C329	E10	P3Y01	A10
C330	E10	Q303	K10
C331	F10	Q307	H3
C332	E9	Q308	E4
C333	F9	Q309	F2
C335	E8	Q310	G3
C336	D9	Q311	H3
C337	D9	Q312	H3
C338	E8	Q313	P6
C340	C7	Q315	D9
C341	E8	R301	E2
C342	E9	R302	E2
C343	G4	R303	B5
C344	L3	R305	J9
C345	N2	R306	J8
C346	N2	R308	E10
C347	N2	R309	E9
C348	N3	R310	E9
C349	O2	R311	E9
C350	O3	R314	O6
C351	L7	R315	E8
C352	O6	R316	E8
C353	O5	R317	J8
C354	N6	R318	I7
C355	H4	R319	N7
C356	N5	R320	J2
C357	N5	R321	J2
C358	N5	R322	M3
C359	M6	R323	M3
C360	M5	R324	N3
C361	M5	R325	N2
C363	B5	R329	N2
C365	B4	R331	B5
C366	B4	R333	D5
C367	B4	R334	L10
C368	B3	R335	L10
C370	M9	R336	K10
C373	N10	R337	J8
C374	E6	R338	E2
C376	N10	R339	E3
C378	D5	R340	F3
C379	D5	R341	F3
C380	D4	R342	F3
C381	E4	R343	G4
C382	E3	R344	D9
C383	E2	R345	F2
C385	F3	R347	G3
C386	G3	R348	G3
C387	G2	R349	G2
C388	G2	R350	G3

s defective.
mode detecty is failed.
unstable.

IC305 is defective.
MESECAM mode detecty is failed.

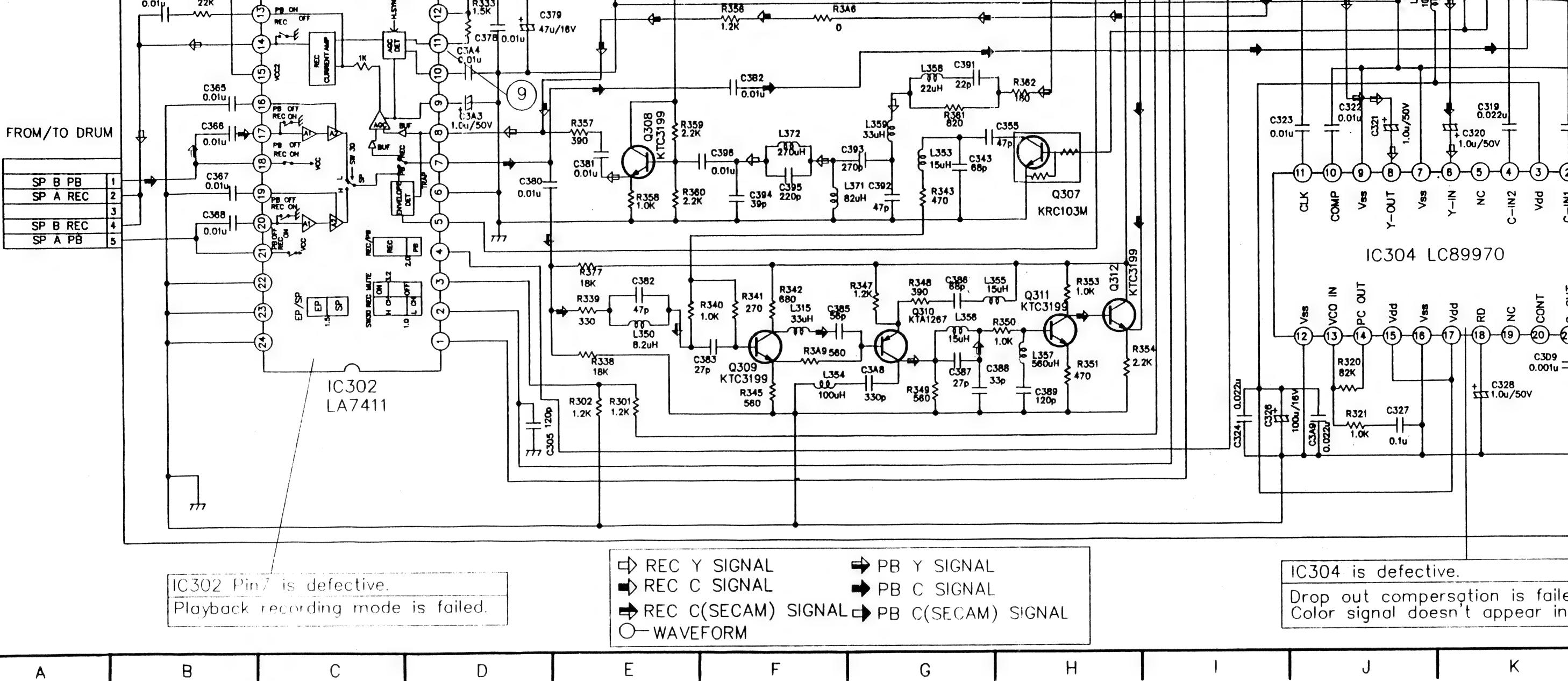
IC306 is defective.
SECAM mode detecty is failed.





3-29

3-30

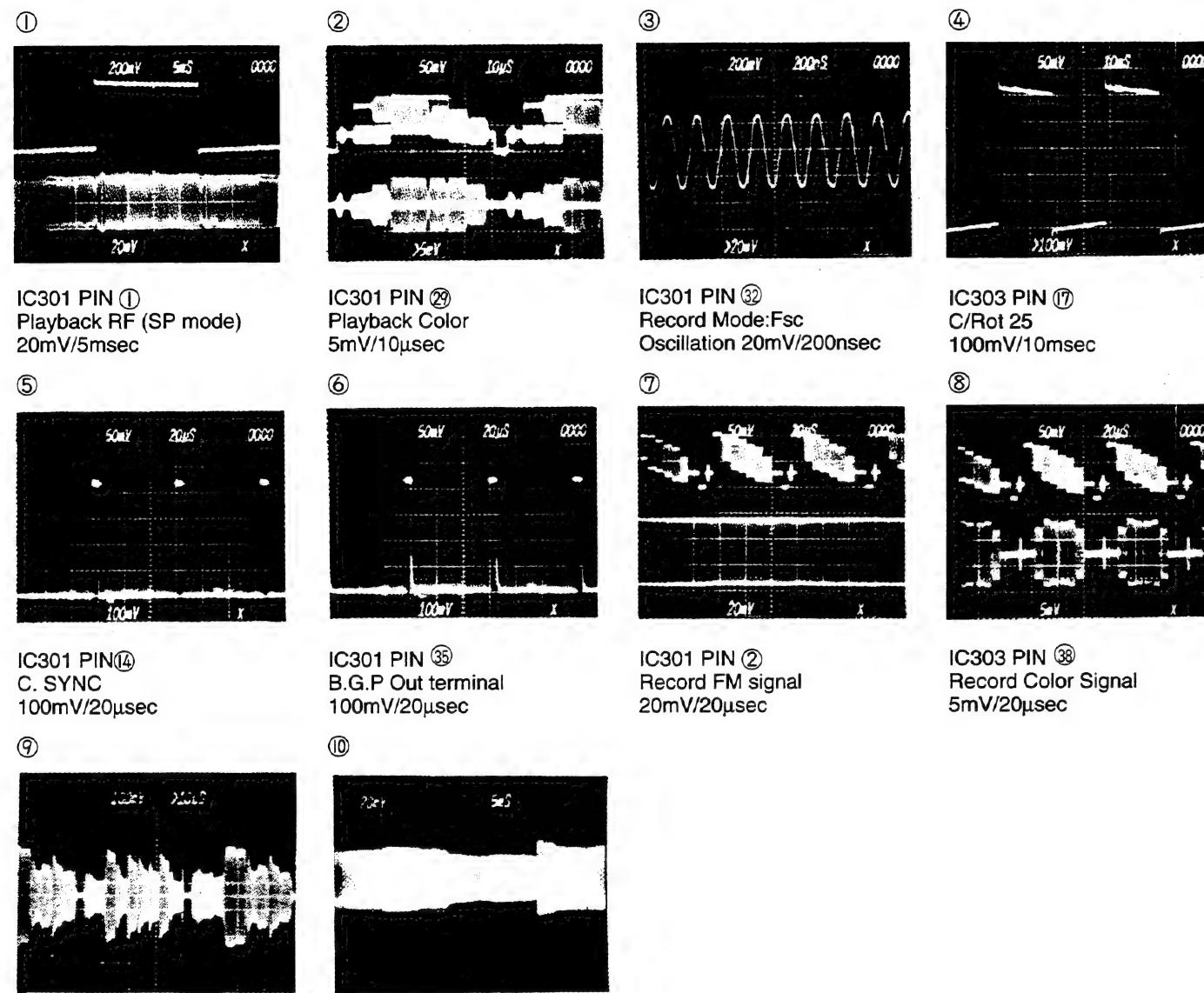


3-27

3-28

3-2

★ Y/C Oscilloscope Waveform



★ IC Voltage Sheet

PB(REC)																				
0 (0)	1.8 (0.9)	2 (2)	1.9 (1.9)	3.1 (2.2)	2.8 (1.6)	2.8 (2)	4 (1.5)	4.9 (5)	2 (2)	2.8 (2.8)	3.8 (3.8)	1 (1)	2.5 (0)	1.8 (1.8)	0 (0)	2.4 (2.4)	0.6 (0.6)	2.4 (2.4)	2.4 (2.4)	0 (0)
40				35				30				25								

IC301 (LA7437)

1	5	10	15	20
3.2 (2.3)	3.4 (3.2)	4.2 (4.2)	3 (2.4)	3.1 (3)

PB(REC)

MESECAM(PAL)

0.7 (0)	0 (4.2)	2.0 (3.6)	0.7 (0)	0 (4.2)	0 (0)	0 (4.2)	0.7 (3.6)	2.0 (4.2)	0 (0)	0.7 (3.6)	2.0 (4.2)	0 (0)	0 (4.2)	2.5 (1.7)	
30				25				20				15			

IC302 (LA7417)

1	5	10	15
2.0 (3.6)	0 (0)	4.5 (0)	0 (0)

PB(REC)

0 (0)	1.4 (1.4)	0 (0)	5 (5)	8.4 (8.4)	5 (5)	0 (0)	5 (5)	1.9 (1.9)	1.9 (1.9)	0 (0)	
20				15				10			

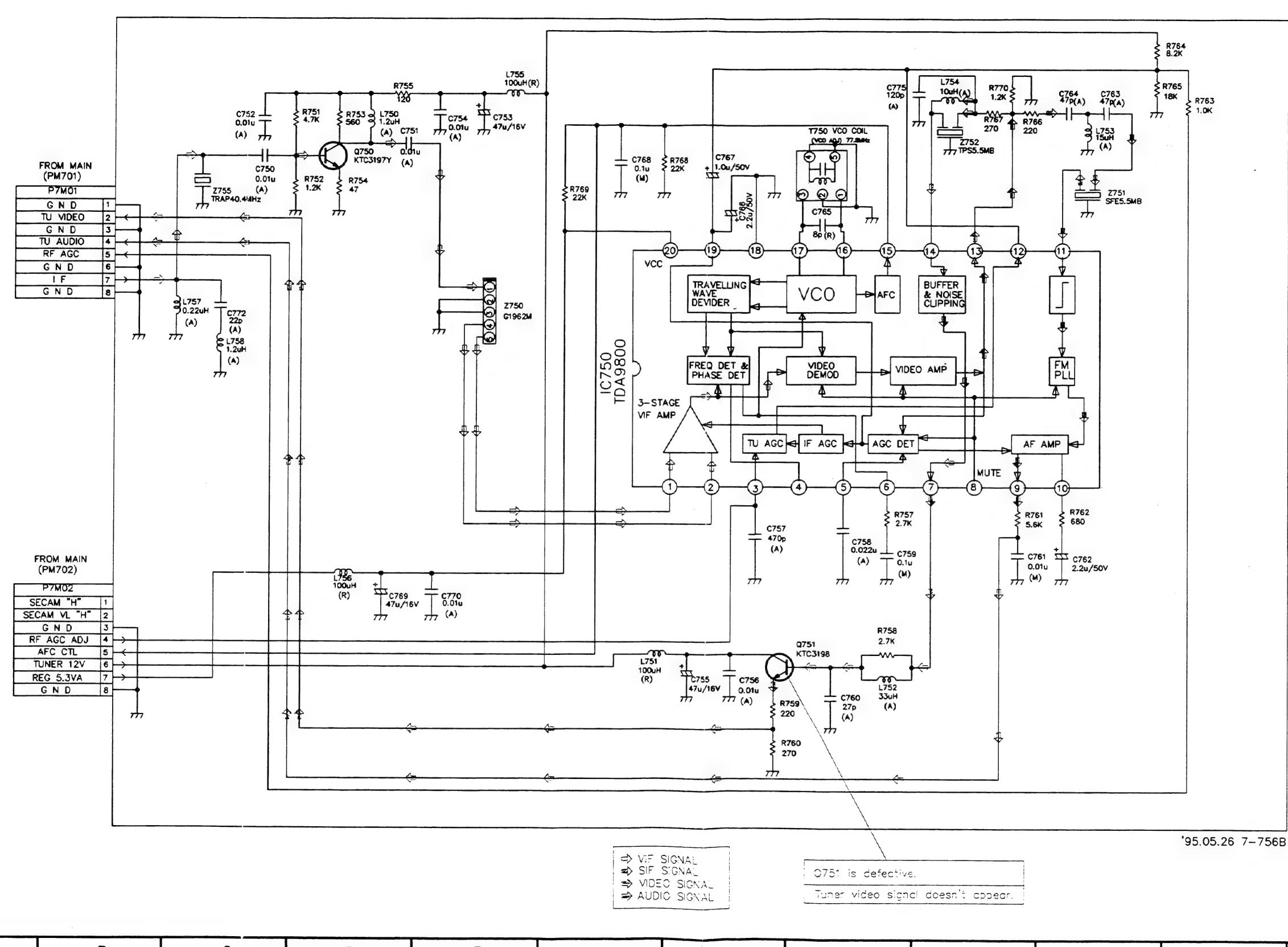
IC304 (LC89970)

1	5	10
0 (0)	2.3 (2.3)	5 (5)

★ TR Voltage Sheet

TR NO.	Port	Emitter	Collector	Base
Q303	0.6(0)	1.8(0.4)	1.4(0)	
Q307	0(0)	0(0)	0(0)	
Q308	1.6(2)	4.5(0.5)	2.2(2.5)	
Q309	1.8(0)	3(0.2)	2.5(0.2)	
Q310	2.4(0.4)	1.3(0)	1.8(0)	
Q311	0.6(0)	3.9(0.4)	1.3(0)	
Q312	3(0)	5(0.4)	3.9(0.4)	
Q315	3.4(3)	0(0)	3(2)	

6. IF Circuit Diagram

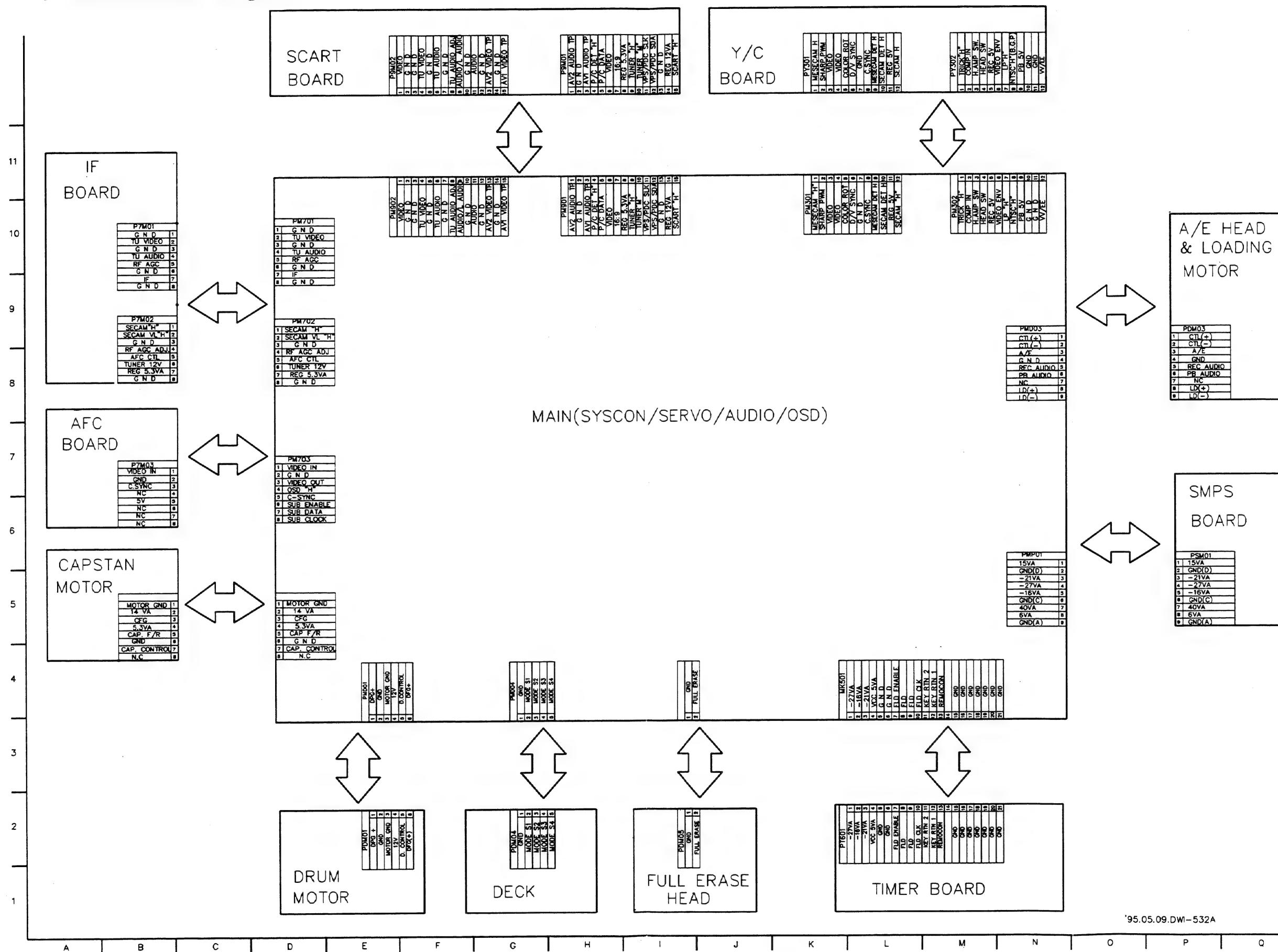


'95.05.26 7-756B

3-33

3-34

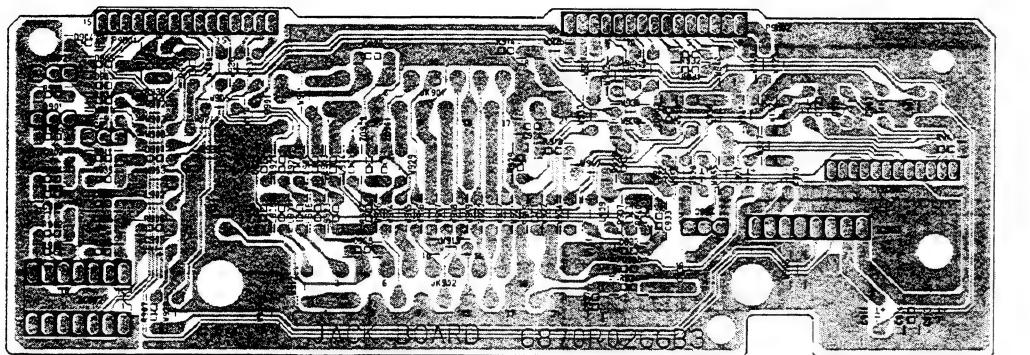
7. Connection Diagram



PRINTED CIRCUIT BOARD DIAGRAMS

5

1. Jack P.C. Board



4

TO MAIN

P9M01	
1	AV2 AUDIO TP
2	G N D
3	AV1 AUDIO TP
4	P/C DET "H"
5	P/C DATA
6	VIDEO
7	16:9
8	REG 5.3 VA
9	TUNER "H"
10	TUNER "M"
11	VPS/PDC SLK
12	VPS/PDC SDA
13	G N D
14	REG 12VA
15	SCART "H"

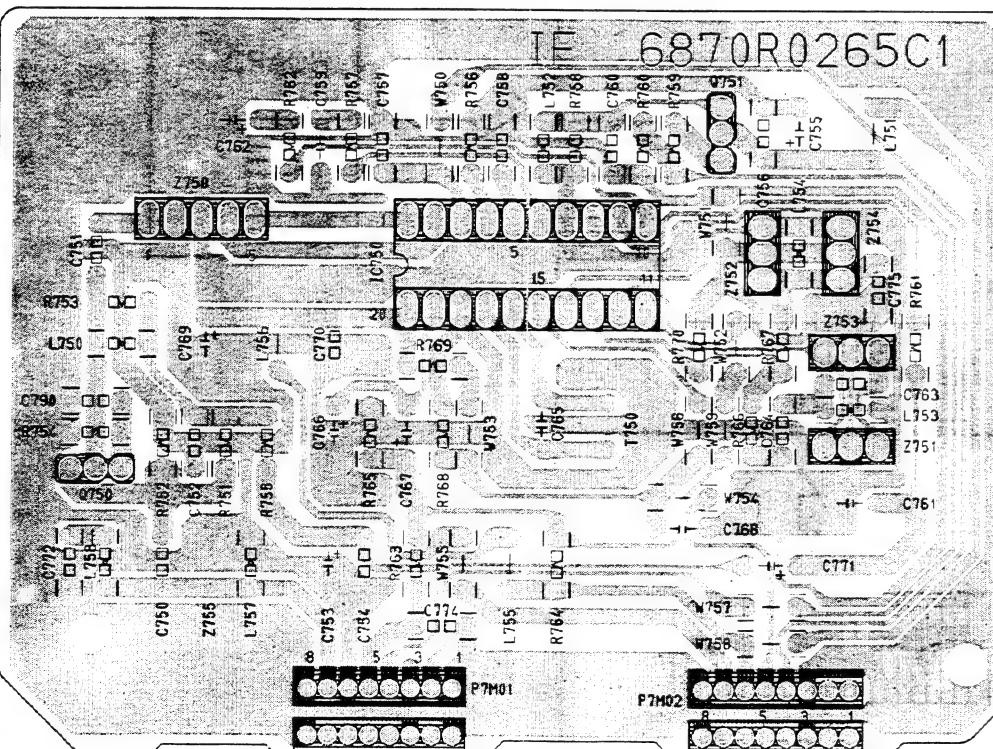
TO MAIN

P9M02	
1	VIDEO
2	G N D
3	G N D
4	TU VIDEO
5	G N D
6	TU AUDIO
7	G N D
8	TU AUDIO ADJ
9	AUDIO/L AUDIO
10	G N D
11	AUDIO
12	G N D
13	AV2 VIDEO TP
14	G N D
15	AV1 VIDEO TP

(Solder Side)

3

2. IF P.C. Board



1

A

B

C

D

TO MAIN

P7M01	
1	G N D
2	TU VIDEO
3	G N D
4	TU AUDIO
5	RF AGC
6	G N D
7	IF
8	G N D

TO MAIN

P7M02	
1	SECAM "H"
2	SECAM VL "H"
3	G N D
4	RF AGC ADJ.
5	AFC CTL
6	TUNER 12V
7	REG 5.3VA
8	G N D

(Solder Side)

★ IC Voltage Sheet

PB(REC)

0	1.5	2	2	3.2	3	3	3.8	5	2	2.5	3.6	1.2	2.5	2.5	0	2.5	0	2.5	2.5	0
0	(1.6)	(2)	(2)	(2.2)	(3)	(3)	(3.8)	(5)	(2)	(2.5)	(3.6)	(1.2)	(1.4)	(1.4)	(0)	(2.5)	(0)	(2.5)	(2.5)	(0)

40 35 30 25

IC301 (LA7437)

1	3.2	3.5	4	2.8	3.2	4.5	4.5	4.5	2.5	2	3.2	3.4	5	3.4	3	1.6	2.2	2	5	1.2	2.2
(2.2)	(2.6)	(4)	(2.8)	(3.2)	(2)	(2)	(2.6)	(2.4)	(1.4)	(3.2)	(2.8)	(5)	(3.4)	(3)	(1.6)	(2.2)	(0)	(2.5)	(0)	(2.5)	(0)

0.7	0	2.0	0.7	0	0	0	0	0.7	2.0	0	0.7	2.0	0	0	0	2.5				
(0)	(4.2)	(3.6)	(0)	(4.2)	(0)	(4.2)	(0)	(3.6)	(4.2)	(0)	(3.6)	(4.2)	(0)	(4.2)	(1.7)					

30	25	20
----	----	----

IC302 (LA7417)

1	2.0	0	4.5	0	5	1.5	0	2	0	2.3	0	0	2.5	5.0	5					
(3.6)	(0)	(0)	(0)	(5)	(1.5)	(5)	(0)	(0)	(3.6)	(3.6)	(1.6)	(2.5)	(4.5)	(5)						

PB(REC)

0	1.4	0	5	8.4	5	0	5	1.9	1.9	0
(0)	(1.4)	(0)	(5)	(8.4)	(5)	(0)	(5)	(1.9)	(1.9)	(0)

20	15
----	----

IC304 (LC89970)

1	0	2.3	5	2.3	0	2.3	0	1.3	0	2.3	1.2
(0)	(2.3)	(5)	(2.3)	(0)	(2.3)	(0)	(1.3)	(0)	(2.3)	(1.2)	

0	2	2.2	6.2	0.2	6.2	5.3	6.2	0.2
(0)	(2)	(2.2)	(6)	(0)	(6.2)	(0)	(6.2)	(0)

15	10
----	----

IC401 (BA7797)

1	2	0	6	6.2	12	12	0.4	6.2	' 5.5
(2)	(0)	(6)	(6)	(12)	(12)	(5.2)	(6.2)	(5.5)	

★ TR Voltage Sheet

PB(REC)

TR NO	Port	Emitter	Collector	Base
Q303	0.6(0)	1.8(0.4)	1.4(0)	
Q307	0(0)	0(0)	0(0)	
Q308	1.6(2)	4.5(0.5)	2.2(2.5)	
Q309	1.8(0)	3(0.2)	2.5(0.2)	
Q310	2.4(0.4)	1.3(0)	1.8(0)	
Q311	0.6(0)	3.9(0.4)	1.3(0)	
Q312	3(0)	5(0.4)	3.9(0.4)	
Q315	3.4(3)</			

3. MAIN P.C. Board

5

TO Scart

PM901	
AV2 AUDIO TP	1
GND	2
AV1 AUDIO TP	3
P/C DET "H"	4
P/C DATA	5
VIDEO	6
169	7
REG 5.3VA	8
TUNER "H"	9
TUNER "M"	10
VPS/PDC SLK	11
VPS/PDC SDA	12
GND	13
REG 12VA	14
SCART "H"	15

4

TO Pre-Amp

PM301	
MESECAM "H"	1
SHARP PWM	2
VIDEO	3
VIDEO	4
COLOR ROT	5
DV SYNC	6
GND	7
C SYNC	8
MESECAM DET H	9
SECAM DET H	10
REG 5V	11
SECAM "H"	12

3

TO DECK

PM303	
CTL (-)	1
CTL (-)	2
A/E	3
GND	4
REC AUDIO	5
PB AUDIO	6
NC	7
LD (+)	8
LD (-)	9

2

TO SMPS

PM601	
14VA	1
GND(M)	2
-23VA	3
-31VA	4
-19VA	5
12VA	6
38VA	7
6VA	8
GND(A)	9

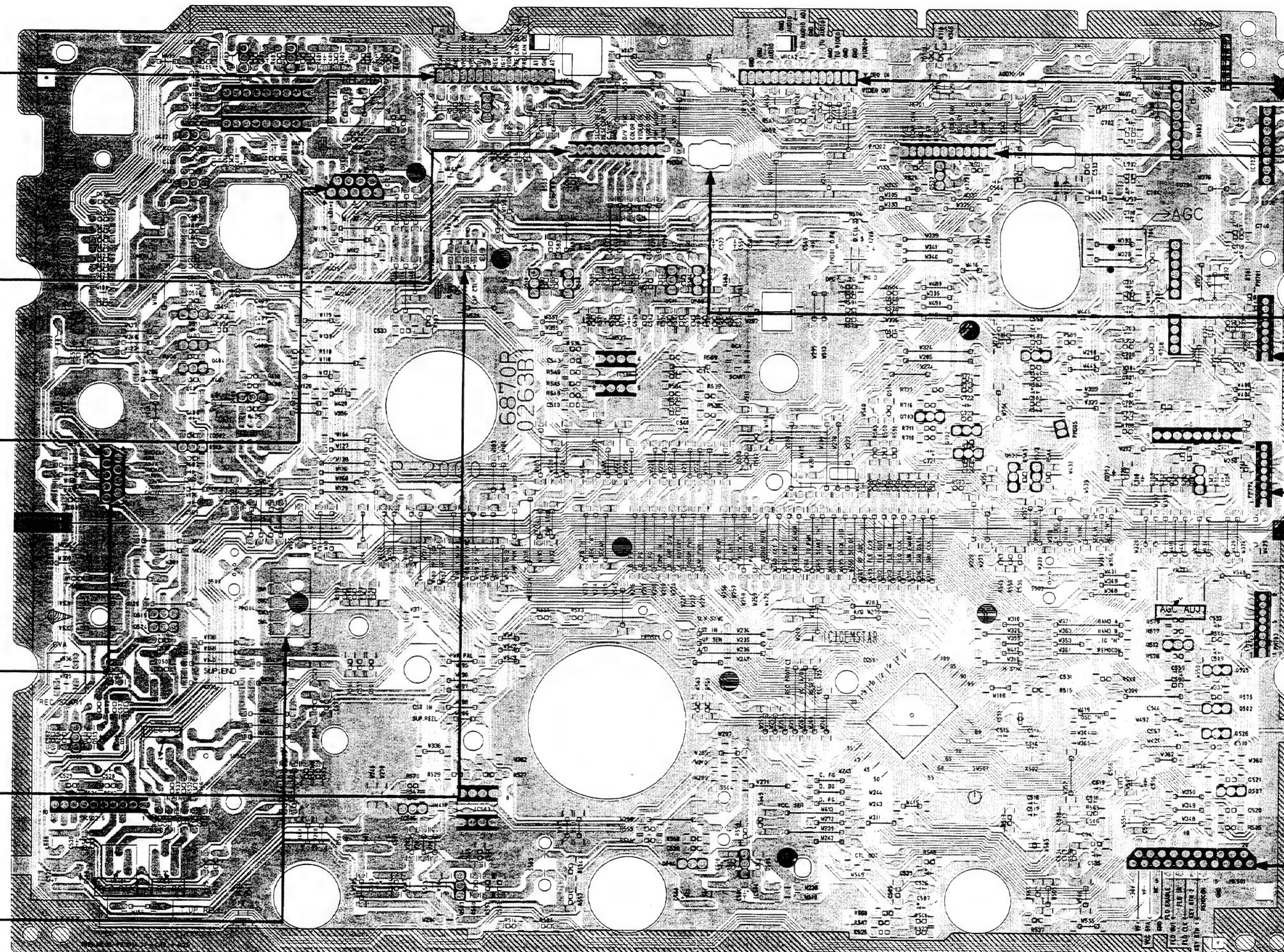
1

TO DECK

PM602	
MOTOR GND	1
-31VA	2
CFG	3
5.3 VA	4
CAP FR	5
GND	6
CAP CONTROL	7
NC	8

TO DECK

PM604	
GND	1
MODE S1	2
MODE S2	3
MODE S3	4
MODE S4	5



(Solder Side)

A

B

C

D

E

F

G

H

ABBREVIATIONS	
ADJ. (Adjustment)	
AGC. (Automatic Gain Control)	
CAR. (Carrier)	
DEV. (Deviation)	
EE. (Electronic to Electronic)	
PB. (Play back)	
PG. (Pulse Generator)	
REC. BIAS (Record Bias)	
VIF. (Video Intermediate Frequency)	
REC. OSC. (Record Oscillation)	

NOTE)	
●	: Measurement Point
□	: Adjustment Point
Emitter : TRANSISTOR	
Collector	
Base	

LOCANO	Position
IC401	4B
IC501	2E
IC502	1C
IC503	1D
IC504	3D
IC505	1C
IC506	1C
IC701	3F
O401	4B
O402	4B
O403	3B
O404	3B
O405	3B
O406	2B
O407	4B
O501	1C
O502	1C
O503	1D
O504	1D
O505	3B
O507	1E

LOCANO	Position
Q508	3C
Q509	3D
Q510	3C
Q511	3D
Q512	2F
Q513	3B
Q514	3E
Q515	2B
Q522	3E
Q523	3E
Q524	2E
Q525	2E
Q526	2E
Q527	4C
Q528	4C
Q701	3E
Q702	3E
Q703	3E
Q704	3E

NOTE)	
●	: Measurement Point
□	: Adjustment Point
Emitter : TRANSISTOR	
Collector	
Base	

SECTION 4 DECK MECHANISM

(SUMMARY FOR DECK MECHANISM)

NOTE

This section is a summary information for D-27 Deck Mechanism.

If you want to get a more detailed information, refer to your Service Manual Section 4 (Mechanism) provided separately. (Part No. 494-005A).

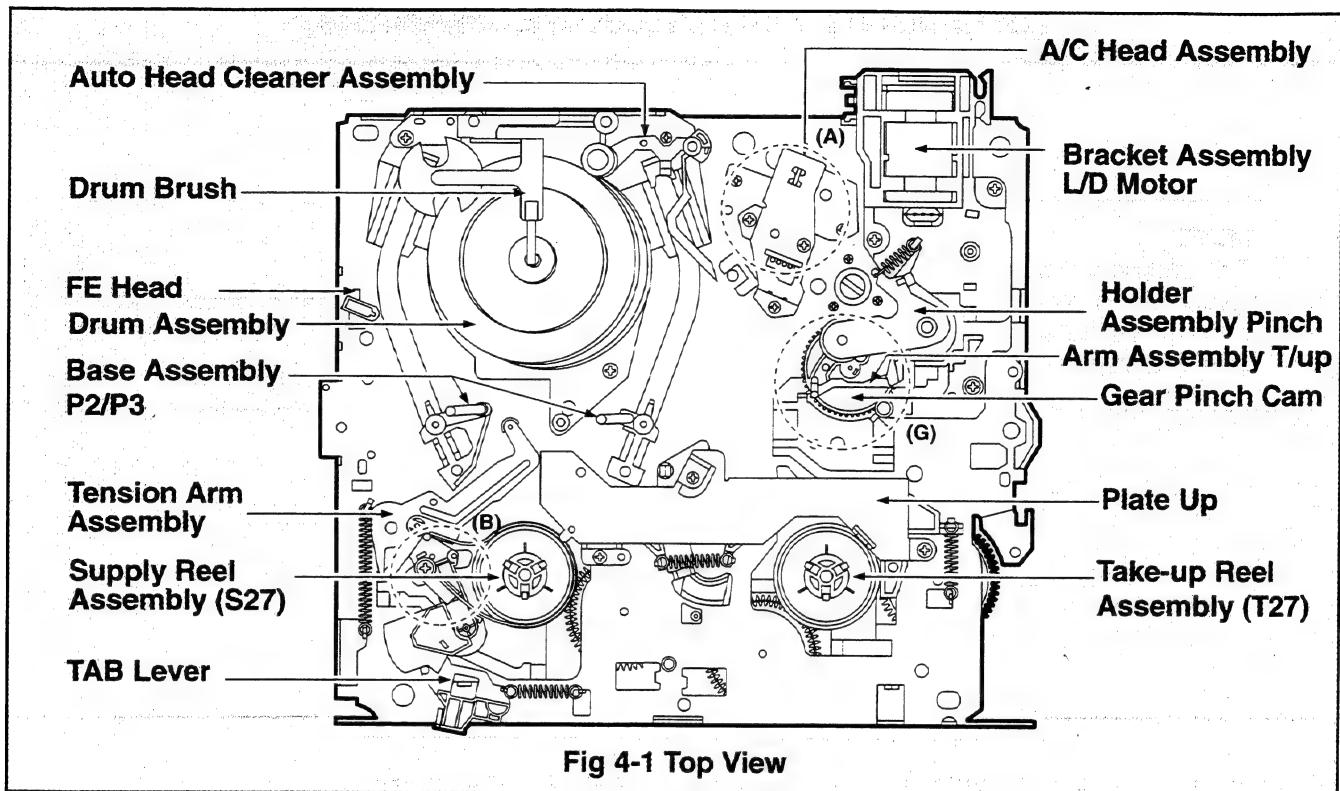
This is composed of following contents.

CONTENTS

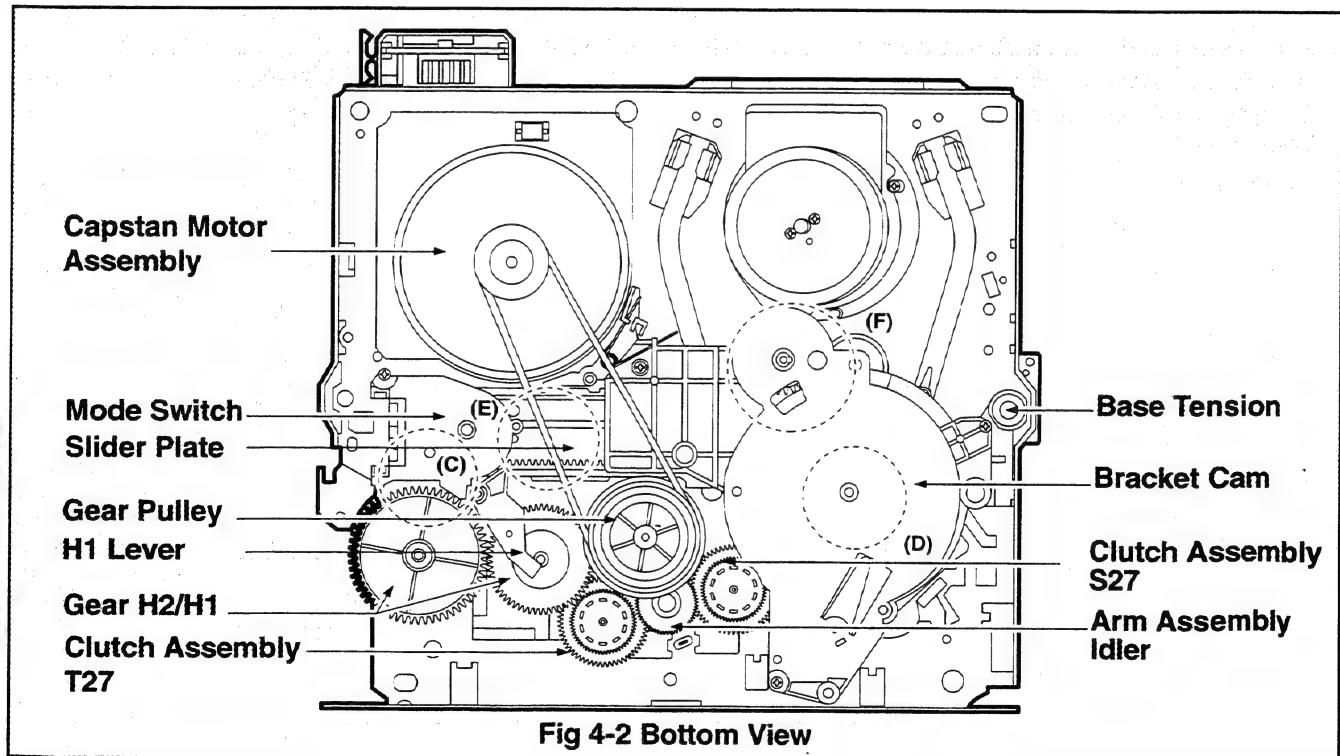
• Deck Mechanism Parts Locations	4-1	5. Gear P/S Plate Slider	4-3
1. Top View	4-1	6. Gear Assembly P2/P3.....	4-3
2. Bottom View	4-1	7. Gear Pinch Cam	4-3
• Alignment Positions for Assembling	4-2	• Exploded Views	4-4
1. A/C (Audio/Control) Head Assembly.....	4-2	1. Front Loading Mechanism Section	4-4
2. Tension Arm/Lever Assembly Tension	4-2	2. Moving Mechanism Section(1).....	4-5
3. Mode S/W	4-2	Top View	
4. Gear Cam L/D	4-3	3. Moving Mechanism Section(2).....	4-7
		Bottom View	

● DECK MECHANISM PARTS LOCATION

1. TOP VIEW



2. BOTTOM VIEW



● ALIGNMENT POSITION FOR ASSEMBLING

1. A/C (Audio/Control) Head Assembly (Fig. 4-3)

- 1) Unplug the A/C connector from the Loading Motor P.C.B.
- 2) Remove two screws(A) and remove the A/C Head Assembly from the Deck Mechanism Assembly.

NOTE (See Fig. 4-1 (A))

When disassembling and reassembling:

- ① When assembling, the 3mm hole of the Base A/C should coincide to 3mm hole in the Chassis.
- ② Do not touch the A/C Head Tips with fingers or tools.
- ③ After reinstalling the Audio Control Head Assembly, adjust the Tilt, Azimuth and Height of A/C Head.

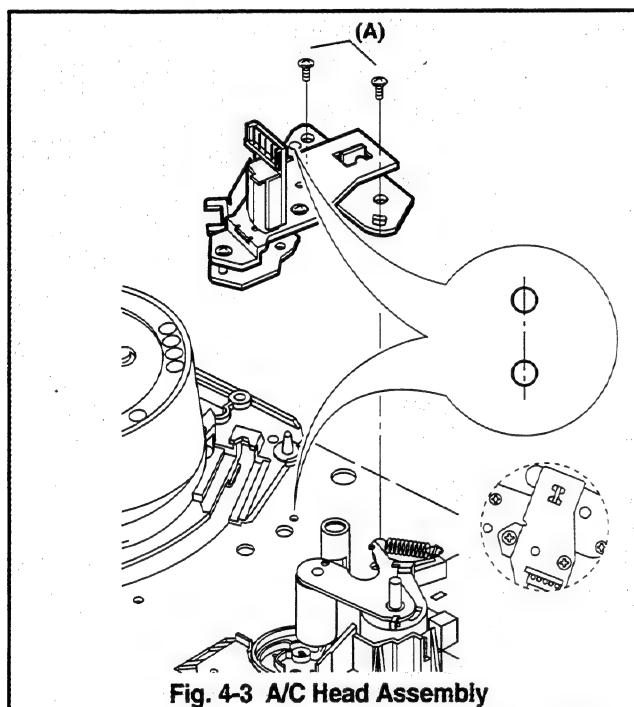


Fig. 4-3 A/C Head Assembly

2. Tension Arm/Lever Assembly Tension (Fig. 4-4)

- 1) Remove the Spring Tension.
- 2) Push the tab(A) of the Base Tension on the back cover of the Deck Mechanism Assembly outward and remove the Tension Arm Assembly.
- 3) Push the tab(B) on the back side of the Holder Band(A) and remove the Tension Arm Assembly.
- 4) Push two tabs(C) on the bottom side of the Lever Tension and Lift up the Lever Assembly Tension.

NOTE (See Fig. 4-1 (B))

When disassembling and reassembling:

- ① (D) is engaged to the cam groove of the Gear Cam L/D and two tabs(C) are engaged in the chassis. (care must be taken not to damage the two tabs when disassembling and reassembling)
- ② When disassembling, turn to the counterclockwise and

lift up so that grease which may be on (D) is not transferred to the Reel Brake Drum.

- ③ When assembling, the 2.5mm hole of the Lever Assembly Tension should be aligned with the 2.5mm hole in the chassis.
- ④ After reassembling, adjust the Tension.

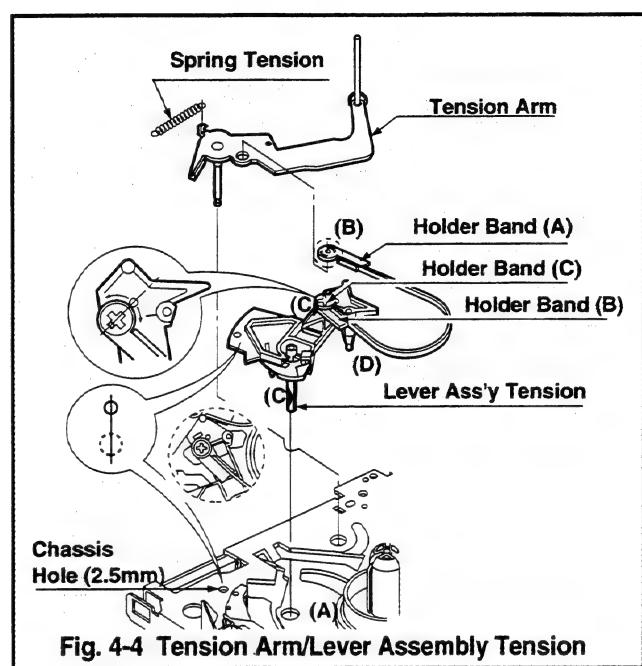


Fig. 4-4 Tension Arm/Lever Assembly Tension

3. Mode S/W (Fig. 4-5)

- 1) Lift up the Lever H1.
- 2) Remove the screw(A) and lift up the Mode S/W.

NOTE (See Fig. 4-2 (C))

- ① When assembling mode, the groove (O) and Body (O) of the Mode Switch should be aligned.

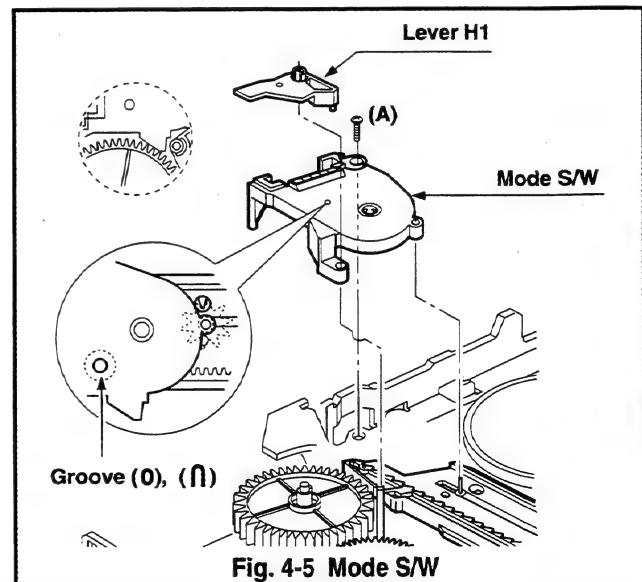


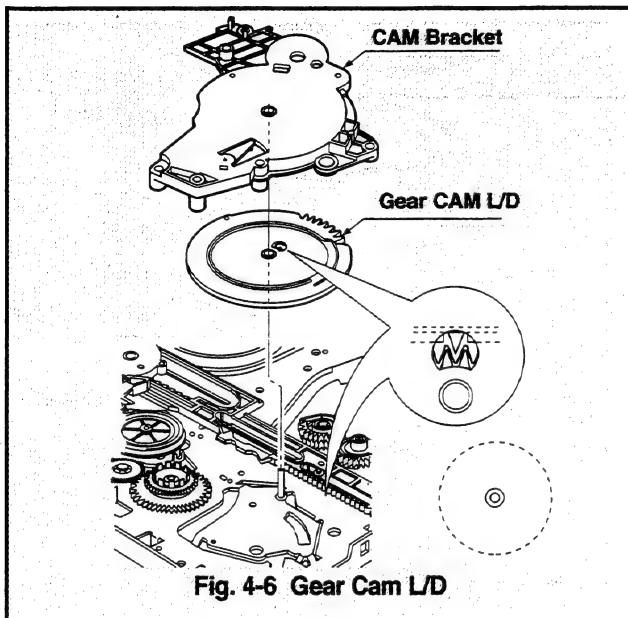
Fig. 4-5 Mode S/W

4. Gear Cam L/D (Fig. 4-6)

- 1) Remove the Cam Bracket Assembly.
- 2) Remove the Gear Cam L/D.

NOTE (See Fig. 4-2 (D))

- 1) When assembling the Gear Cam L/D, the groove (VV) of Plate Slider should coincide with to the groove (V) on the Gear Cam L/D.

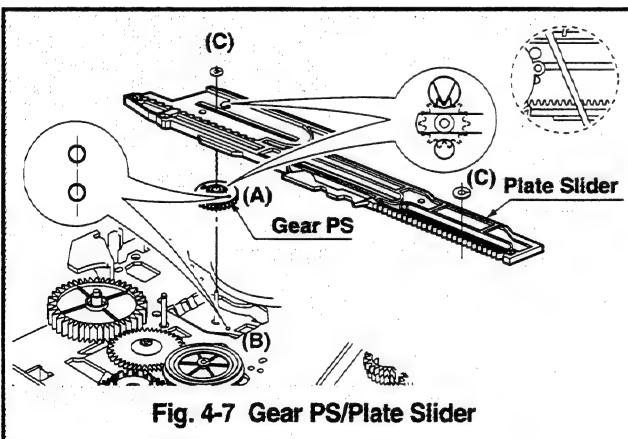


5. Gear P/S Plate Slider (Fig. 4-7)

- 1) Remove two washers(C).
- 2) Remove the Plate Slider.
- 3) Remove the Gear PS.

NOTE (See Fig. 4-2 (E))

- 1) When the hole(A) of the Gear PS is aligned to the hole(B) of the chassis, the groove(V) of the Plate Slider should be aligned to the groove(VV) of the Gear PS.



6. Gear Assembly P2/P3 (Fig. 4-8)

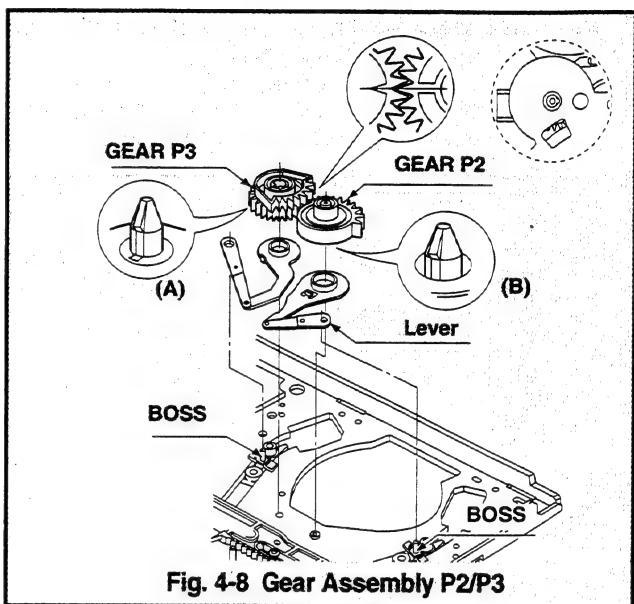
- 1) Remove the Plate Slider.
- 2) Remove by pushing one hook(B) on the top side of Gear Assembly P3.

- 3) Remove by pushing one hook(A) on the top side of Gear Assembly P2.

NOTE (See Fig. 4-2 (F))

When disassembling and reassembling:

- ① The P2 and P3 Gear Assembly should not be interchanged.
- ② The groove(V) of Gear P2 should be aligned to the groove(VV) of Gear P3.
- ③ Set the hole of Lever to the Boss of P2 and P3 Base Assembly.
(When assembling make sure that the Lever is not bent.)



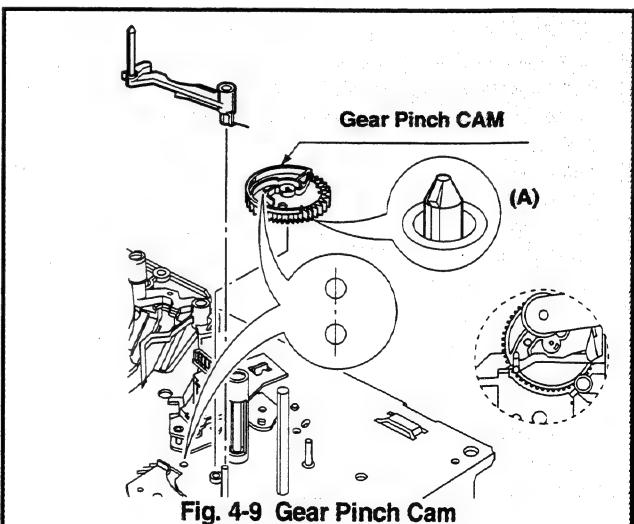
7. Gear Pinch Cam (Fig. 4-9)

- 1) Remove the T/Up Arm Assembly.
- 2) Remove by pushing one tab(A) on the bottom side of the Gear Pinch Cam.

NOTE (See Fig. 4-1 (G))

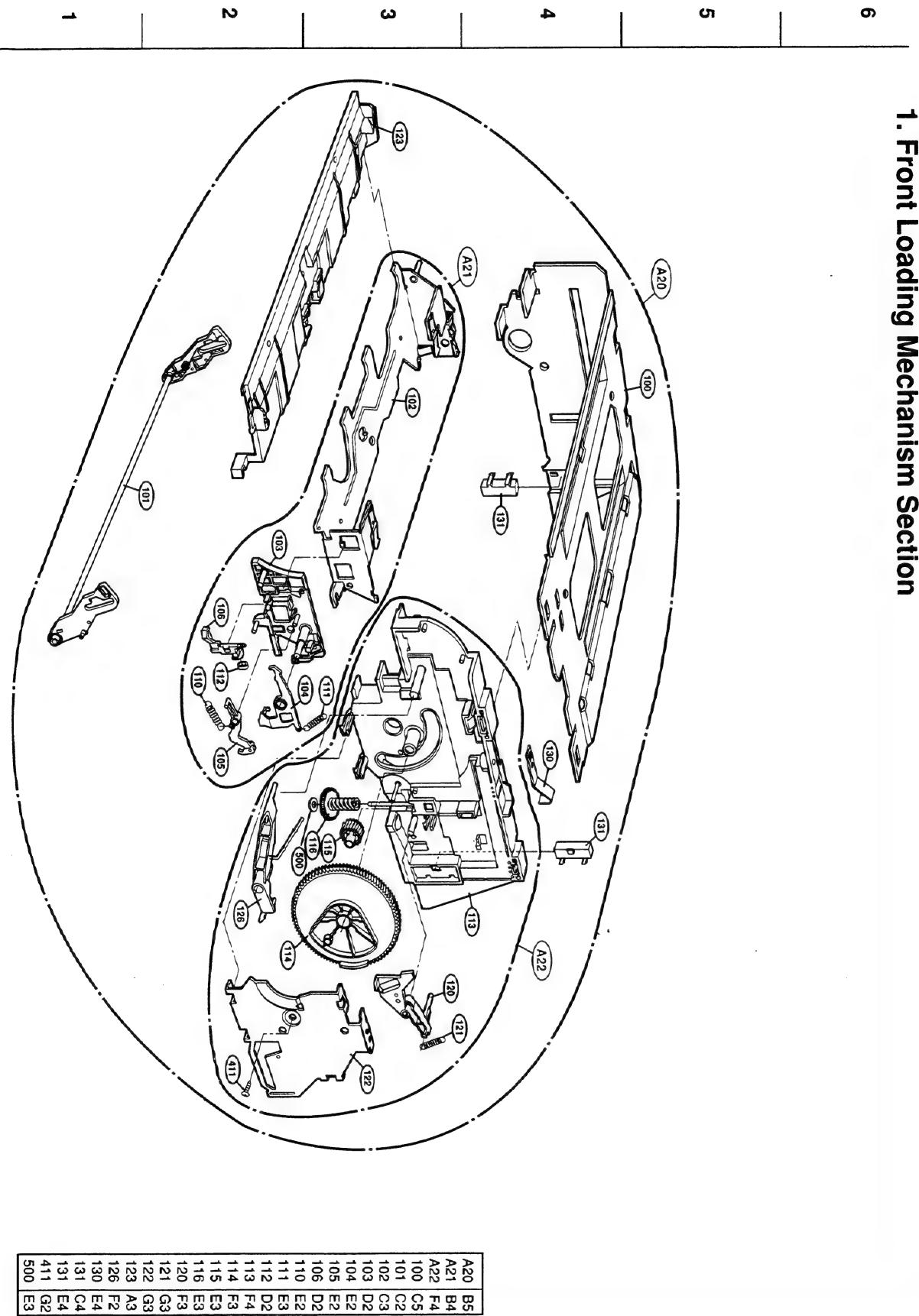
When disassembling and reassembling:

- ① The small hole on the Gear Pinch Cam and hole of chassis should be aligned.



EXPLODED VIEW

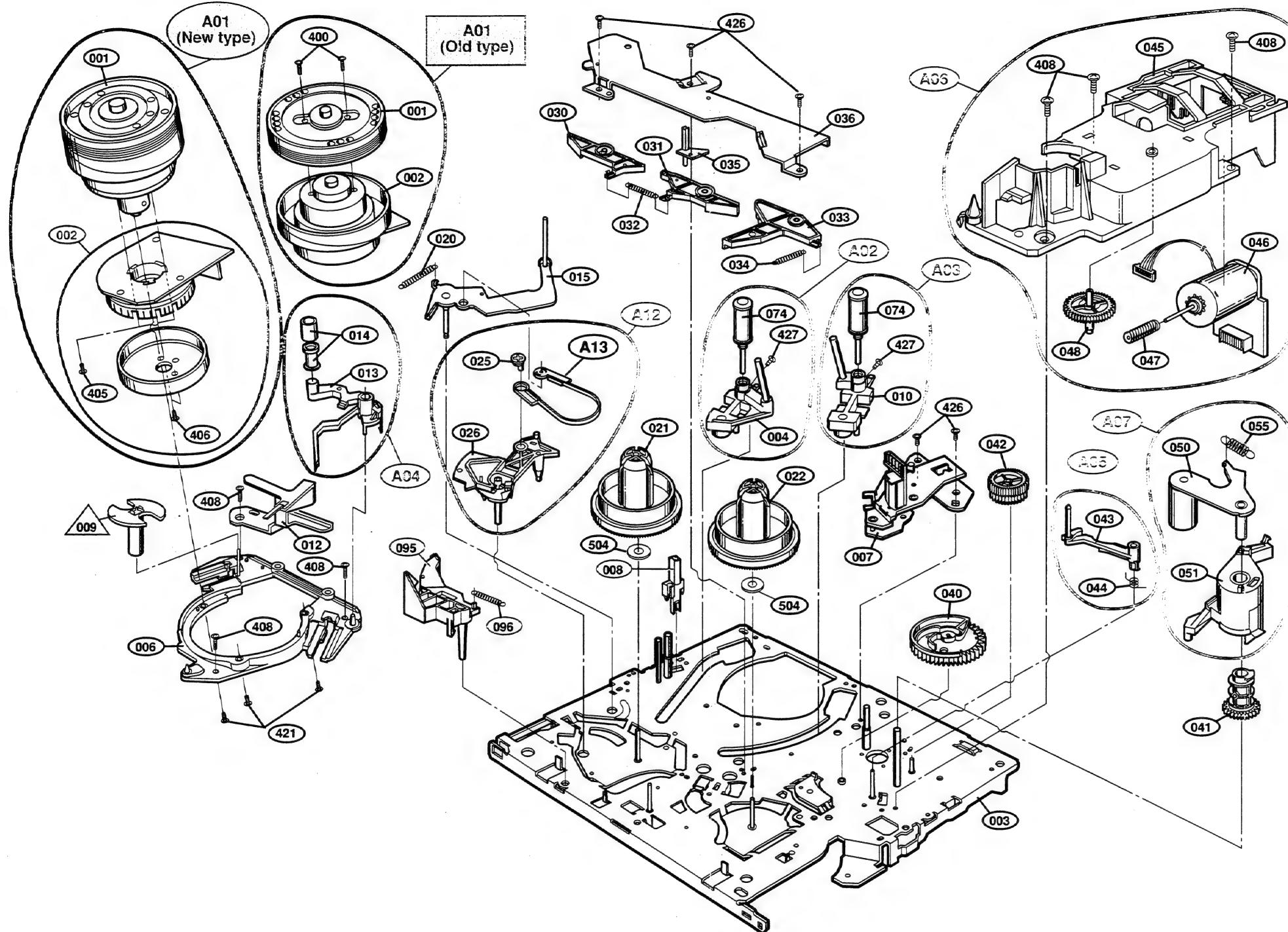
1. Front Loading Mechanism Section



MEMO

EXPLODED VIEW

2. Moving Mechanism Section(1) Top View



A01	B5
A01	C5
A02	E4
A03	E4
A04	C3
A05	F3
A06	E5
A07	F3
A12	D4
A13	D4
001	A5
001	C5
002	A4
002	C5
003	F1
004	E3
006	A2
007	E3
008	D3
009	A3
010	E4
012	B3
013	C4
014	C4
015	D4
020	C4
021	D3
022	E3
025	C4
026	C3
030	C5
031	D5
032	D4
033	E4
034	D4
035	D5
036	E5
040	E3
041	G2
042	F3
043	F3
044	F3
045	F5
046	G4
047	F4
048	F4
050	G3
051	G3
055	G3
074	D4
	074 E4
	095 C3
	096 C2
	400 B5
	405 A3
	406 B3
	408 B2
	408 B3
	408 C2
	408 F5
	408 G5
	421 B2
	426 D5
	426 E3
	427 D4
	427 E4
	504 D2
	504 D3

A

B

9

D

E

F

G

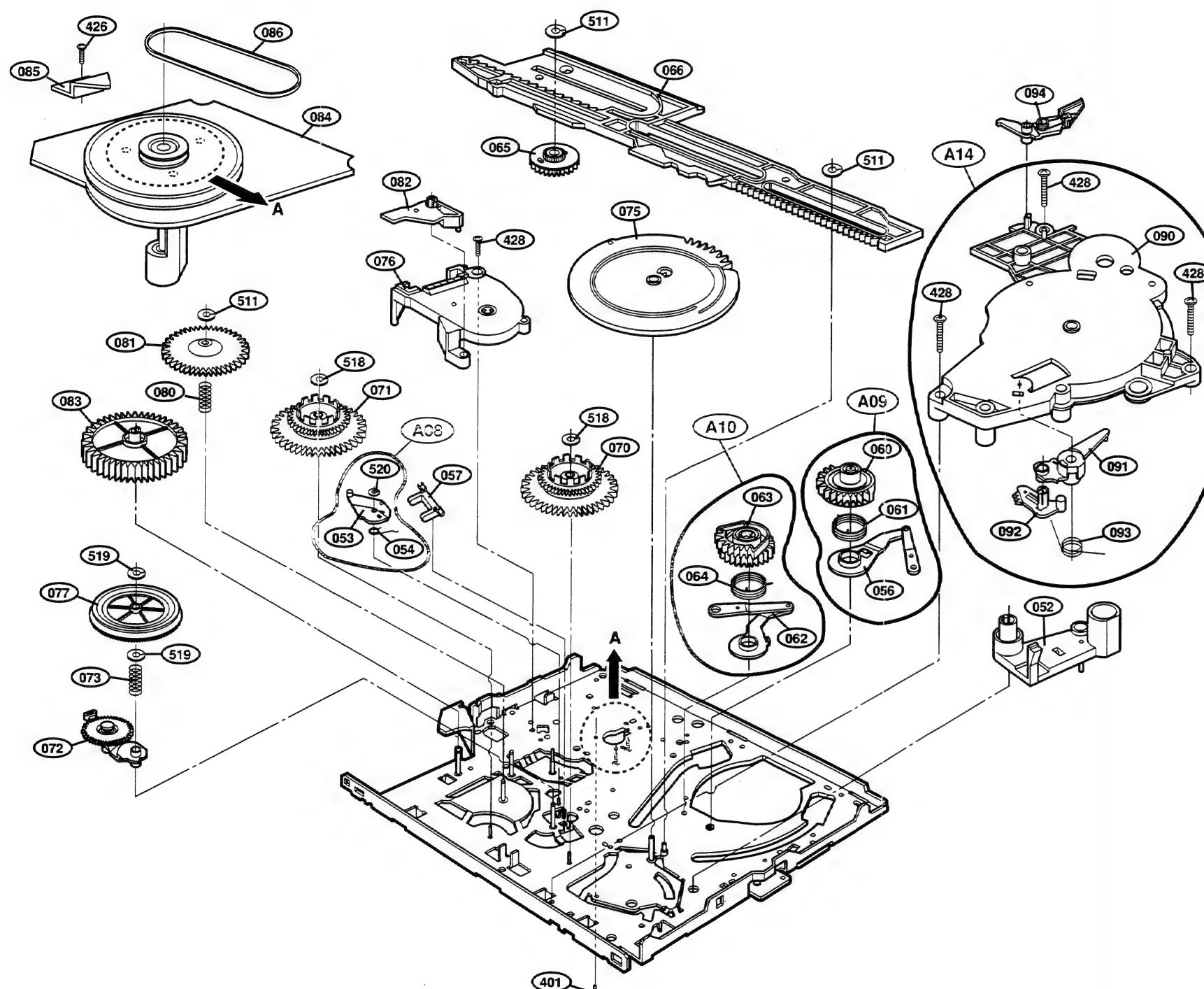
H

EXPLODED VIEW

6

3. Moving Mechanism Section(2) Bottom View

5



4

3

2

1

A08	C3
A09	E4
A10	D3
A14	E5
052	F3
053	B3
054	C3
056	E3
057	C3
060	E3
061	E3
062	D2
063	D3
064	D3
065	C5
066	D5
070	D3
071	B4
072	A2
073	A2
075	D4
076	C4
077	A3
080	B4
081	B4
082	C5
083	A3
084	B5
085	A5
086	B5
090	F4
091	F3
092	F3
093	F3
052	C1
426	A5
428	C4
428	E4
428	F4
511	F5
511	B4
511	C5
511	E5
518	B4
518	C3
519	A3
519	A3
520	B3

A

B

C

D

E

F

G

H

SECTION 5 REPLACEMENT PARTS LIST

• Mechanical Section (MODEL : T21HP)

RUN DATE : 95.07.13
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
ASSEMBLY PARTS SECTION						
	OR	A00	412-183A	DECK	ASSY D-27 P (2HD MONO VCR)	
		A00	412N183A	DECK	V/D D-27 P (2HD MONO VCR)	
	OR	A01	413-312E	DRUM	ASSY V-2CH(P1)D27	
		A01	413B312E	DRUM	ASSY V-2CH(P1) D27 BOKWANG	
		A02	225-361A	BASE	ASSY P2	
		A03	225-364A	BASE	ASSY P3	
		A04	386-394A	ARM	ASSY CLEANER	
		A05	386-405A	ARM	ASSY T/UP	
		A06	321-668A	BRACKET	ASSY L/D MOTOR	
		A07	340-070A	HOLDER	ASSY PINCH	
		A08	333-331A	LEVER	ASSY F/R	
		A09	435-435A	GEAR	ASSY P2	
		A10	435-437A	GEAR	ASSY P3	
		A12	333-329A	LEVER	ASSY TENSION	
		A13	328-075A	BAND	ASSY TENSION	
		A20	219-023A	HOUSING	ASSY D-27	
		A21	340-010A	HOLDER	ASSY CST	
		A22	321-672A	BRACKET	ASSY SIDE(R)	NSP
PARTS SECTION						
	OR	001	413-315A	DRUM	SUB ASSY(P1)	
		002	414-209A	MOTOR	ASSY DRUM GVD-027A ALPS	
		002	414-217A	MOTOR	ASSY DRUM E20XL14 D27 SANKYO	
		003	311-011A	CHASSIS ASSY'	D27	
		004	225-362A	BASE	SUB ASSY P2	NSP
		006	225-368A	BASE	DRUM	NSP
		007	225-371A	BASE	ASSY A/C	
		010	225-365A	BASE	SUB ASSY P3	NSP
		012	225-399A	BASE	ASSY BRUSH	
		013	386-395A	ARM	CLEANER	NSP
		014	324-835B	HOLDER	ASSY CLEANER	NSP
		015	386-392A	ARM	ASSY TENSION	
		020	442-640A	SPRING	TENSION	
		021	456-070A	REEL	S27	
		022	456-071A	REEL	T27	
		025	340-008A	HOLDER	BAND(C)	NSP
		026	333-330A	LEVER	TENSION	NSP
		030	338-112A	BRAKE	ASSY SM	
		031	338-114A	BRAKE	ASSY TM	
		032	442-655A	SPRING	MB	
		033	338-116A	BRAKE	ASSY TS	
		034	442-654A	SPRING	TSB	
		035	316-019A	BODY	PRISM LED	
		036	257-071A	PLATE	UP	
		040	435-441A	GEAR	PINCH CAM	
		041	435-440A	GEAR	PINCH	
		042	435-439A	GEAR	CNT	
		043	386-404A	ARM	SUB ASSY T/UP	

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		044	442-650A	SPRING	T/UP	NSP
		045	321-669A	BRACKET	L/D MOTOR	
		046	414-199A	MOTOR	ASSY L/D	
		047	437-019A	WORM	L/D MOTOR	
		048	437-020A	WORM	WHEEL	
		050	386-401A	ARM	ASSY PINCH	
		051	340-073A	HOLDER	SUB ASSY PINCH	
		052	225-374A	BASE	TENSION	
		053	333-332A	LEVER	F/R	NSP
		054	442-645A	SPRING	F/R	NSP
		055	442-649A	SPRING	PINCH	NSP
		056	333-334A	LEVER	ASSY P2	NSP
		057	386-398A	ARM	F/R	
		060	435-436A	GEAR	P2	NSP
		061	442-647A	SPRING	P2	NSP
		062	333-336A	LEVER	ASSY P3	NSP
		063	435-438A	GEAR	P3	NSP
		064	442-648A	SPRING	P3	NSP
		065	435-442A	GEAR	P/S	
		066	257-070A	PLATE	SLIDER	
		070	337-007B	CLUTCH	ASSY S27	
		071	337-008A	CLUTCH	ASSY T27	
		072	386-396A	ARM	ASSY IDLER	
		073	442-644A	SPRING	UP/D	
		074	434-173A	ROLLER	ASSY GUIDE	
		075	435-433A	GEAR	CAM L/D	
		076	556-252B	SWITCH	MODE S/W(D-27),HMW0840-01,HOSI	
		077	435-432A	GEAR	PULLEY	
		080	442-656A	SPRING	H1	
		081	435-443A	GEAR	H1	
		082	333-339A	LEVER	H1	
		083	435-444A	GEAR	H-2	
		084	414-201A	MOTOR	GVC-027A CAPSTAN D-27 ALPS	
		085	321-696A	BRACKET	CAPSATN,D27	
		086	452-062A	BELT	CAPSTAN	
		094	338-110A	BRAKE	ASSY CAP	
		095	333-338A	LEVER	TAB	NSP
		096	442-652A	SPRING	TAB	
		100	257-072A	PLATE	TOP	
		101	386-407A	ARM	ASSY F/L	
		102	340-011A	HOLDER	SUB ASSY CST	NSP
		103	321-671A	BRACKET	HOLDER(R)	NSP
		104	333-341A	LEVER	STOPPER(R)	NSP
		105	465-039A	OPENER	LID	NSP
		106	386-410A	ARM	RELEASE	NSP
		110	442-660A	SPRING	RELEASE	
		111	442-659A	SPRING	STOPPER	
		112	477-058A	RUBBER	GRIP	NSP
		113	321-673A	BRACKET	SUB ASSY (R)	NSP
		114	435-445A	GEAR	CAM F/L	NSP
		115	435-446A	GEAR	CONNECT	NSP
		116	435-447A	GEAR	WORM	NSP
		120	333-342A	LEVER	SWITCH	NSP
		121	442-661A	SPRING	SWITCH	NSP
		122	257-074A	PLATE	COVER	NSP

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
	OR	123	384-143A	GUIDE	CST	
		123	384-151A	GUIDE	CST27	
		126	465-040A	OPENER	DOOR	NSP
		130	257-075A	PLATE	GROUND	NSP
		131	340-062A	HOLDER	ASSY PRISM	

SCREW

		401	1MPK0261418	PAN HEAD MACHINE SCREW +,-	D 2.6 L 4.0 MSWR3/FZY	
		405	1MDC0262818	PAN HEAD MACHINE SCREW P/WASH+	D 2.6 L 12 MSWR3/FZY	
		406	1MEC0302018	PAN HEAD MACHINE SCREW S/W +	D 3.0 L 6.0 MSWR3/FZY	
		408	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L 8.0 MSWR3/FZY	
		411	353-046B	SCREW	SPECIAL (3X8 FZMY)	NSP
		421	1MPC0302618	PAN HEAD MACHINE SCREW +!	D 3.0 L 10.0,MSWR3/FZY	
		426	1MPC0302018	PAN HEAD MACHINE SCREW +!	D 3.0 L 6.0 MSWR3/FZY	
		427	353-054B	SCREW	MINIATURE	
		428	353-221A	SCREW	M3-L15	

NUT, WASHER

		500	354-080F	WASHER	STOPPER	
		504	354-001B	WASHER	P.S D3.1XD6X0.5T	
		511	354-080C	WASHER	STOPPER	
		518	354-128A	WASHER	STOPPER	
		519	354-128B	WASHER	STOPPER	

• Cabinet & Main Frame Section

RUN DATE : 95.07.13
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
ASSEMBLY PARTS SECTION						
		A43	258-756J	PANEL	ASSY FRONT	
		A44	3501R-0278F	BOARD ASSY	SMPS	
		A45	501-521G	MODULE		
		A46	3501R-0263C	BOARD ASSY	MAIN	

PARTS SECTION

		250	217-570C	CASE	TOP	
		260	315-347B	FRAME	MAIN(60HR)	
		266	321-738A	BRACKET	ASSY HOUSING	
		267	255-429A	PLATE	GND(M/F)	
		268	255-359A	PLATE	SIDE GND	
		269	255-362A	PLATE	PRE-AMP GND	
		270	321-743A	BRACKET	PROTECT	
		275	324-802A	HOLDER	DIGITRON	
		280	258-757H	PANEL	FRONT	
		283	226-110P	DOOR	CST	
		284	442-681A	SPRING	DOOR	
		300	681-051A	CORD	KKP-419J B-172 KLCE-2F PAL	
	OR	300	681-951A	CORD	H03VVH2-F 2X0.75MM LP21R/PE221	
		320	258-728D	PANEL	ASSY DISTRIBUTOR	

RUN DATE : 95.07.13
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		330	220-050A	COVER	BOTTOM	
SCREW						
		452	353-051A	SCREW	SPECIAL(3X10 FZMY)	
		459	353-046A	SCREW	SPECIAL (3X6 FZMY)	
		462	353-136A	SCREW	SPECIAL(4.6X12.5 FBK)	
		463	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L 8.0 MSWR3/FZY	
		469	353-046K	SCREW	SPECIAL (3X10 B.K)	

• Packing Accessory Section

RUN DATE : 95.07.13
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	480-658B	INSTRUCTION ASSY		
		802	290-400A	BOX CARTON		
		803	283-292A	PACKING		
		804	291-002B	SHEET CUSHION		
		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	
		810	861-505B	CABLE SET ASSY	RF-CABLE,ASSY,PAL	NSP

• Remote Control Section

RUN DATE : 95.07.13
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		900	597-123G	REMOTE CONTROL	ASSY	
		901	255-405C	PLATE	TOP R/C(VPS;;FS)	
		902	217-603B	CASE	TOP(D.G)	
		903	556-268E	SWITCH	RUBBER(D.G)	
		904	6871R-0405A	PWB ASSY!	M2 R/C NORMAL(P20P)	
		905	220-130A	COVER	BOTTOM R/C	
		906	236-580A	WINDOW	FILTER	
		907	220-131A	COVER	BATTERY	
		908	442-726A	SPRING	BATTERY	

• Electrical Section

RUN DATE : 95.07.13

CAUTION: The * marks in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the SAFETY PRECAUTIONS and SERVICING PRECAUTIONS in the manual. Do not degrade the safety of the unit through improper servicing.

Tolerance

Symbol	C	J	K	M	N	Z	P	A
%	±2	±5	±10	±20	±30	+80 -20	+100 -10	+100 -10

CC, CJ, CK: Capacitor, Ceramic
CE: Capacitor, Electrolytic
CQ: Capacitor, Polyester

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
CAPACITOR				
		C303	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C305	0CH4121K416	120P 50V J NPO 2.0X1.2 R/TP
		C306	0CH1473K946	0.047U 50V ZF 2.0X1.2 R/TP
		C307	0CH1473K946	0.047U 50V ZF 2.0X1.2 R/TP
		C308	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C309	0CH1223K946	0.022U 50V ZF 2.0X1.25 R/TP
		C310	0CH1223K946	0.022U 50V ZF 2.0X1.25 R/TP
		C311	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C312	0CH1223K946	0.022U 50V ZF 2.0X1.25 R/TP
		C313	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C314	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C315	0CH1473K946	0.047U 50V ZF 2.0X1.2 R/TP
		C317	0CH4220K416	22P 50V J NPO 2.0X1.25 R/TP
		C318	0CH1223K946	0.022U 50V ZF 2.0X1.25 R/TP
		C319	0CH1223K946	0.022U 50V ZF 2.0X1.25 R/TP
		C320	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C321	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C322	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C323	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C324	0CH1223K946	0.022U 50V ZF 2.0X1.25 R/TP
		C326	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C327	0CH1104K946	0.1U 50V ZF 2.0X1.2 R/TP
		C328	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C329	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C330	0CH1223K946	0.022U 50V ZF 2.0X1.25 R/TP
		C331	0CE1054K636	1.0U SRA 50V M FM5 BP TP(D)
		C332	0CH4331K416	330P 50V J NPO 2.0X1.2 R/TP
		C333	0CH4050K016	5P 50V C COG 2.0X1.2 R/TP
		C335	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C336	0CH4050K016	5P 50V C COG 2.0X1.2 R/TP
		C337	0CH4680K416	68P 50V J COG 2.0X1.2 R/TP
		C338	0CH1223K946	0.022U 50V ZF 2.0X1.25 R/TP
		C340	0CH1223K946	0.022U 50V ZF 2.0X1.25 R/TP
		C341	0CE1074F638	100U SRA 16V M FM5 TP(5)
		C342	0CE1064F638	10M SRA 16V M FM5 TP(5)
		C343	0CH4680K416	68P 50V J COG 2.0X1.2 R/TP
		C355	0CH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C360	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C363	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C365	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C366	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C367	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C368	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C374	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C378	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C379	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C380	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C381	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C382	0CH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C383	0CH4270K416	27P 50V J COG 2.0X1.2 R/TP
		C385	0CH4560K416	56P 50V J NPO 2.0X1.25 R/TP
		C386	0CH4680K416	68P 50V J COG 2.0X1.2 R/TP
		C387	0CH4270K416	27P 50V J COG 2.0X1.2 R/TP
		C388	0CH4330K416	33P 50V JC 2.0X1.2 R/TP
		C389	0CH4121K416	120P 50V J NPO 2.0X1.2 R/TP
		C391	0CH4220K416	22P 50V J NPO 2.0X1.25 R/TP
		C392	0CH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C393	0CH4271K416	270P 50V J COG 2.0X1.2 R/TP
		C394	0CH4390K416	39P 50V J COG 2.0X1.2 R/TP
		C395	0CH4221K416	220P 50V J 2.0X1.25 R/TP
		C396	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C398	0CH4181K416	180P 50V J NPO 2.0*1.25 R/TP
		C399	0CH1223K946	0.022U 50V ZF 2.0X1.25 R/TP
		C3A3	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C3A4	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C3A5	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C3A8	0CH4331K416	330P 50V J NPO 2.0X1.2 R/TP
		C3A9	0CH1223K946	0.022U 50V ZF 2.0X1.25 R/TP
		C3B2	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C3D2	0CH4241K416	240PF 50V J NPO 2012 R/TP
		C3D3	0CH4471K416	470P 50V J 2.0*1.25 R/TP
		C3D5	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C3D6	0CE1063K636	10UF SRE 16V M FM5 BP(D) TP
		C3D8	0CH4151K416	150P 50V J NPO 2.0X1.2 R/TP
		C3D9	0CH1102K516	1000P 50V KB 2.0X1.25 R/TP
		C3P1	0CH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C401	0CQ8221N409	0.0082U 100V J POLY TP
		C402	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C403	0CE1046K638	0.1M SMS 50V M FM5 TP(5)
		C404	0CE1066K638	10UF SMS 16V M FM5 TP5
		C405	0CE1046K638	0.1M SMS 50V M FM5 TP(5)
		C406	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C407	0CQ1032K409	0.01UF S 50V J PE TP
		C408	0CQ1032K409	0.01UF S 50V J PE TP
		C409	0CQ6832K409	0.0680UF S 50V J PE TP
		C410	0CN2210K518	220P 50V KB TA26
		C411	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C412	0CN1030F678	0.01M 16V M Y TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C413	OCE1831N409	0.018U 100V J POLY TP			C559	OCE4786F638	47M SMS 16V M FM5 TP5
		C414	OCE2266F638	22M SMS 16V M FM5 TP5			C560	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C415	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)			C561	OCE4776F638	47OUF SMS 16V M FM5 TP5
		C416	OCE1521N409	0.0015U 100V J POLY TP			C562	OCN1040K948	0.1M 50V Z F TA26
		C417	OCE4721N409	0.0047U 100V J POLY TP			C564	OCN2230H948	0.022M 25V Z F TA26
		C418	OCE1064F638	10M SRA 16V M FM5 TP(5)			C566	OCN1040K948	0.1M 50V Z F TA26
		C419	OCE1064F638	10M SRA 16V M FM5 TP(5)			C567	OCN1040K948	0.1M 50V Z F TA26
		C421	OCE1046K638	0.1M SMS 50V M FM5 TP(5)			C568	OCN1040K948	0.1M 50V Z F TA26
		C422	OCN1020K518	1000P 50V K B TA26			C569	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C500	OCE2274C638	220M SRA 6.3V M FM5 TP(5)			C570	OCE1074F638	100U SRA 16V M FM5 TP(5)
		C502	OCE4763F638	47M SRE 16V M FM5 TP(5)			C571	OCN1040K948	0.1M 50V Z F TA26
		C503	OCE2274C638	220M SRA 6.3V M FM5 TP(5)			C572	OCE1074F638	100U SRA 16V M FM5 TP(5)
		C504	OCN1030F678	0.01M 16V M Y TA26			C573	OCN1040K948	0.1M 50V Z F TA26
		C505	OCE4766F638	47M SMS 16V M FM5 TP5			C574	OCE2253K636	2.2000UF SRE 50V M FM5 BP(D) T
		C506	0CC3310K415	330PF 50V J NP0 TR			C577	OCN1040K948	0.1M 50V Z F TA26
		C507	OCE1064F638	10M SRA 16V M FM5 TP(5)			C580	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C508	OCN1040K948	0.1M 50V Z F TA26			C582	OCN1030F678	0.01M 16V M Y TA26
		C510	OCE4754K638	4.7M SRA 50V M FM5 TP(5)			C590	OCN1030F678	0.01M 16V M Y TA26
		C511	0CC0800K015	8P 50V C NP0 TS			C592	OCN1040K948	0.1M 50V Z F TA26
		C512	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)			C593	OCN2210K518	220P 50V KB TA26
		C513	OCN1040K948	0.1M 50V Z F TA26			C595	OCN1040K948	0.1M 50V Z F TA26
		C514	0CC1500K415	15P 50V J NP0 TS			C596	OCN1040K948	0.1M 50V Z F TA26
		C515	0CC1500K415	15P 50V J NP0 TS			C5X3	OCN2230H948	0.022M 25V Z F TA26
		C516	0CC1200K415	12P 50V J NP0 TS			C601	OCN1040K948	0.1M 50V Z F TA26
		C517	0CC1000K015	10P 50V C NP0 TS			C602	OCN1040K948	0.1M 50V Z F TA26
		C518	0CC3300K415	33P 50V J NP0 TP			C603	OCE1064F638	10M SRA 16V M FM5 TP(5)
		C519	0CC3300K415	33P 50V J NP0 TP			C604	OCN1040K948	0.1M 50V Z F TA26
		C520	OCN2230H948	0.022M 25V Z F TA26			C605	0CK1020K945	1000P 50V Z F TS
		C521	OCX3900K408	39P 50V J SL TA26			C606	OCN1040K948	0.1M 50V Z F TA26
		C522	OCE4766F638	47M SMS 16V M FM5 TP5			C607	OCN1010K518	100P 50V KB TA26
		C523	OCE2264F638	22M SRA 16V M FM5 TP(5)			C608	OCN1030F678	0.01M 16V M Y TA26
		C524	OCN1040K948	0.1M 50V Z F TA26			C701	OCN1030F678	0.01M 16V M Y TA26
		C526	OCN2710K518	270P 50V KB TA26			C702	OCE4766F638	47M SMS 16V M FM5 TP5
		C528	OCN1030F678	0.01M 16V M Y TA26			C703	OCN1030F678	0.01M 16V M Y TA26
		C529	OCE1054K636	1.0U SRA 50V M FM5 BP TP(D)			C704	OCE4766F638	47M SMS 16V M FM5 TP5
		C530	OCE4766F638	47M SMS 16V M FM5 TP5			C705	0CQ3321N409	0.0033U 100V J POLY TP
		C531	0CC0800K015	8P 50V C NP0 TS			C706	0CQ1041N409	0.1U 100V J POLY TP
		C532	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C707	0CQ1041N409	0.1U 100V J POLY TP
		C533	OCN1030F678	0.01M 16V M Y TA26			C708	0CQ1041N409	0.1U 100V J POLY TP
		C534	OCN1510K518	150P 50V K B TA26			C709	OCN1040K948	0.1M 50V Z F TA26
		C535	OCE4754K638	4.7M SRA 50V M FM5 TP(5)			C710	OCE4756K638	4.7M SMS 50V M FM5 TP(5)
		C536	OCN1040K948	0.1M 50V Z F TA26			C711	OCE4766F638	47M SMS 16V M FM5 TP5
		C537	OCN1040K948	0.1M 50V Z F TA26			C712	OCN1030F678	0.01M 16V M Y TA26
		C538	OCN1030F678	0.01M 16V M Y TA26			C714	OCN1030F678	0.01M 16V M Y TA26
		C539	OCN1030F678	0.01M 16V M Y TA26			C715	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C540	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C716	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C541	OCN1030F678	0.01M 16V M Y TA26			C717	OCE1066F638	10UF SMS 16V M FM5 TP5
		C542	OCN1040K948	0.1M 50V Z F TA26			C721	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C544	OCN4730K948	0.047M 50V Z F TA26			C722	OCE1054K636	1.0U SRA 50V M FM5 BP TP(D)
		C545	OCN1040K948	0.1M 50V Z F TA26			C723	OCN1030F678	0.01M 16V M Y TA26
		C546	OCN2230H948	0.022M 25V Z F TA26			C741	OCN2210K518	220P 50V KB TA26
		C547	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C742	OCN2230H948	0.022M 25V Z F TA26
		C549	OCE2254K638	2.2M SRA 50V M FM5 TP(5)			C750	OCN1030F678	0.01M 16V M Y TA26
		C550	OCN1030F678	0.01M 16V M Y TA26			C751	OCN1030F678	0.01M 16V M Y TA26
		C551	0CQ3331N409	0.033U 100V J POLY TP			C752	OCN1030F678	0.01M 16V M Y TA26
		C552	OCN1030F678	0.01M 16V M Y TA26			C753	OCE4766F638	47M SMS 16V M FM5 TP5
		C553	OCN1040K948	0.1M 50V Z F TA26			C754	OCN1030F678	0.01M 16V M Y TA26
		C554	OCN1030F678	0.01M 16V M Y TA26			C755	OCE4766F638	47M SMS 16V M FM5 TP5
		C555	OCE2274C638	220M SRA 6.3V M FM5 TP(5)			C756	OCN1030F678	0.01M 16V M Y TA26
		C556	OCE4754K638	4.7M SRA 50V M FM5 TP(5)			C757	OCN4710K518	470P 50V KB TA26
		C557	OCE1064F638	10M SRA 16V M FM5 TP(5)			C758	OCN2230H948	0.022M 25V Z F TA26
		C558	OCE1074F638	100U SRA 16V M FM5 TP(5)			C759	0CQ1041N409	0.1U 100V J POLY TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C760	0CX2700K408	27P 50V J SL TA26
		C761	0CQ1031N409	0.01UF 100V J PE TP
		C762	0CE2256K638	2.2M SMS 50V M FM5 TP(5)
		C763	0CX4700K408	47P 50V J SL TA26
		C764	0CX4700K408	47P 50V J SL TA26
		C765	0CC0800K115	8P 50V D NPO TS
		C766	0CE2256K638	2.2M SMS 50V M FM5 TP(5)
		C767	0CE1056K638	1.0M SMS 50V M FM5 TP(5)
		C768	0CQ1041N409	0.1U 100V J POLY TP
		C769	0CE4766F638	47M SMS 16V M FM5 TP5
		C770	0CN1030F678	0.01M 16V M Y TA26
		C772	0CX2200K408	22P 50V J SL TP26
		C775	0CN1210K518	120P 50V K B TA26
		C801	0CE2256K638	2.2M SMS 50V M FM5 TP(5)
		C802	0CQ6831N409	0.068U 100V J POLY TP
		C803	0CC1010K405	100P 50V J SL TS
		C804	0CE1056K638	1.0M SMS 50V M FM5 TP(5)
		C805	0CQ3321N409	0.0033U 100V J POLY TP
		C807	0CE4766F638	47M SMS 16V M FM5 TP5
		C808	0CN2230H948	0.022M 25V Z F TA26
		C809	0CQ3321N409	0.0033U 100V J POLY TP
		C810	0CE1056K638	1.0M SMS 50V M FM5 TP(5)
		C812	0CN6810K518	680P 50V K B TA26
		C901	0CQ4731N409	0.047U 100V J POLY TP
		C902	0CQ4731N409	0.047U 100V J POLY TP
		C903	0CE1054K638	1.0M SRA/SS 50V M FM5 TP(5)
		C905	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C906	0CN1030F678	0.01M 16V M Y TA26
		C910	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C911	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C913	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C914	0CN1030F678	0.01M 16V M Y TA26
		C924	0CX3900K408	39P 50V J SL TA26
		C925	0CN2210K518	220P 50V K B TA26
		C926	0CN2210K518	220P 50V K B TA26
		C930	0CE4775C638	470M SR 6.3V M FM5 TP(5)
		C932	0CN1030F678	0.01M 16V M Y TA26
		C933	0CN1030F678	0.01M 16V M Y TA26
OR		CP01	624-066C	AC CON 332/400V,E,AA(S/S)
		CP01	624-086C	AC-CON 332/400V,E,NU(N/K)
		CP03	624-088B	ECQU2A104MVA AC250/0.1UF MATSU
OR		CP05	624-066C	AC CON 332/400V,E,AA(S/S)
		CP05	624-086C	AC-CON 332/400V,E,NU(N/K)
		CP06	624-082F	CE 68UF/400V SHLVN
		CP07	0CQ1041N409	0.1U 100V J POLY TP
		CP09	0CQ5621N409	0.0056U 100V J POLY TP
		CP10	0CQ1021N409	0.001U 100V J POLY TP
		CP11	0CE336BH638	33UF KME 25V M FM5 TP5
		CP12	0CQ4731N409	0.047U 100V J POLY TP
		CP14	624-087B	HIGH-VOL 100P/1KV SMPS SAMHWA
		CP15	0CQ1031Y501	0.01U 630V K POLY F5
		CP16	0CE4746K638	0.47M SMS 50V M TP(5)
OR		CP17	624-084C	HER-0611-47-50-M SMPS RI-C
		CP17	624-085D	CE 47UF/50V KME (SMPS)
		CP18	0CE4776H638	470UF SMS 25V M FM5 TP5
		CP19	624-083E	1000/10V KME (SMPS) CE
		CP19	624-084N	HER-1016-1000-10-M SMPS RI-C
		CP20	0CE3376D638	330UF SMS 10V M FM5 TP5
OR		CP21	624-084C	HER-0611-47-50-M SMPS RI-C
		CP21	624-085D	CE 47UF/50V KME (SMPS)
		CP22	0CE477BH638	470UF KME 25V M FM5 TP5
OR		CP24	624-066E	AC CON 472/400V,E,AA(S/S)

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		OR	CP24	624-086E
		CP25	0CE1076D638	AC CON 472/400V,E,NU,(N/K)
		CP26	624-066E	100M SMS 10V M FM5 TP(5)
		CP26	624-086E	AC CON 472/400V,E,AA(S/S)
		CP28	624-086B	AC-CON 472/400V,E,NU,(N/K)
				DIODE
		OR	BDP01	ODD060000BA
		BDP01	ODD160000DA	DF06M,600V,1A G.I
		D301	ODD131009AA	S1WBA60(1A 600V) SHIDENKEN
		D303	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D304	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D305	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D309	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D315	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D316	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D401	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D402	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D403	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D404	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D405	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D500	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D501	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D502	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D503	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D504	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D505	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D506	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D507	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D509	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D511	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D512	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D513	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D514	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D515	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D601	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D602	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D603	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D611	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D614	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D704	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D901	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D905	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
OR		DP01	ODD010009CA	EG01CW(R-FORM 5MM) TP SANKEN
		DP01	ODD400709BA	UF4007 G.I
		DP02	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		DP05	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		DP07	ODD207000AA	2A07 2A RECTIFIERS(T/S)DELTA
		DP08	ODD310409AA	31DQ04 52MM TP TP INTA
		DP08	ODD440000AA	RK-44(SCHOTOKY) SANKEN
		DP10	ODD010009AC	EU01W(R-FORM) TP SANKEN
		DP12	ODD010009AC	EU01W(R-FORM) TP SANKEN
		DP13	ODD400000AH	RU4YX SANKEN
		DP17	ODD010009AC	EU01W(R-FORM) TP SANKEN
				DISPLAY TUBE
			DG601	514-032A
				9BT-123GK 85X25 PAL SEJIN
				FUSE
		FP01	585-011C	T 1.6A 250V S506

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
FILTER				
		LP01	616-145A	LINE FILTER SQE TYPE 33MH(BUJ)
		Z750	616-099B	SAW OFWG1962 (SIEMENS) B/G
		Z751	616-038B	CERAMIC,SFSH5.5MCB MURATA
		Z752	616-036B	TRAP TPS5.5MB MURA
		Z755	616-714A	MKT40MA100P MURATA
IC				
OR	IC301	OISA743700A	LA7437 (Y/C 1CHIP,NOT ADJ)	
	IC302	OISA741100A	LA7411 22SD 2HD AMP(VCR)	
	IC304	OISA899700A	LC89970 (1H CCD) OC3600	
	IC401	OIRH779700A	BA7797 N/AUDIO	
	IC501	OIIH339760D	H8/3976(HD6433976A09F)R-T40P/S	
	IC502	OIGS744500A	GL7445 (MOTOR DRIV-1CH) GSS	
	IC503	OINA241600A	NM24C16N(EEPROM.16K) OC3600	
	IC503	OIX1241600B	X24C16P EEPROM 16K DIP	
	IC504	OIMT523000B	PST-523G/T(3.3V) LOW	
	IC505	OIGS358000A	GL358	
OR	IC506	OIMT523000C	PST-523D/T	
	IC601	OIRH287600A	BU2876K FLD	
	IC601	OIRH287900A	BU2879K FDP DRIVE	
	IC701	OISA791000A	LA7910 TV BAND SELEC	
	IC750	OIPH980000A	TDA9800 VIF PLL DEM & FM DET	
	IC801	OJR222900A	NJM2229S SYNC SEPA (SIP PACK)	
	IC902	OISM564900A	SDA5649 (VPS+PDC)	
	IC903	OIGS381600A	GL3816	
	ICP01	OIFE531100A	FA5311P PWM IC (FUJI) DIP	
	ICP03	OIKE431000A	KIA431	
	ZD702	OIKE574000B	KIA574AT ZENOR IC 2K/TP	
COIL				
	B901	OLA0560K018	0.56M K 2.3X3.4 L5 TP	
	L302	OLR1000J035	100M J 6X6 L5 TP	
	L303	OLA1000K018	100M K 2.3X3.4 L5 TP	
	L304	OLR1000J035	100M J 6X6 L5 TP	
	L309	OLR1000J035	100M J 6X6 L5 TP	
	L310	OLA0561K018	5.6M K 2.3X3.4 L5 TP	
	L311	OLA0392K018	39M K 2.3X3.4 L5 TP	
	L312	OLA1500K018	150M K 2.3X3.4 L5 TP	
	L315	OLA0332K018	33M K 2.3X3.4 L5 TP	
	L350	OLA0821K018	8.2M K 2.3X3.4 L5 TP	
	L353	OLA0152K018	15M K 2.3X3.4 L5 TP	
	L354	OLA1000K018	100M K 2.3X3.4 L5 TP	
	L355	OLA0152K018	15M K 2.3X3.4 L5 TP	
	L356	OLA0152K018	15M K 2.3X3.4 L5 TP	
	L357	OLR5600K035	560M K 6X6 L5 TP	
	L358	OLA0222K018	22M K 2.3X3.4 L5 TP	
	L359	OLA0332K018	33M K 2.3X3.4 L5 TP	
	L361	OLR1000J035	100M J 6X6 L5 TP	
	L371	OLA0822K018	82M K 2.3X3.4 L5 TP	
	L372	OLA2700K018	270U K 2.3X3.4 L5 TP	
	L401	OLR1000K035	100M K 6X6 L5 TP	
	L402	OLR6801J045	6800U J 6X7 L5 TP	
	L403	OLA0102K018	10M K 2.3X3.4 L5 TP	
	L501	OLR1000K035	100M K 6X6 L5 TP	
	L505	OLR1000K035	100M K 6X6 L5 TP	
	L506	OLR0152K035	15M K 6X6 L5 TP	
	L508	OLR1000K035	100M K 6X6 L5 TP	
	L510	OLA0332K018	33M K 2.3X3.4 L5 TP	
	L512	OLR1000K035	100M K 6X6 L5 TP	

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		L513	OLR1000K035	100M K 6X6 L5 TP
		L514	OLR1000K035	100M K 6X6 L5 TP
		L515	OLR1000K035	100M K 6X6 L5 TP
		L516	OLR0222K035	22M K 6X6 L5 TP
		L601	OLR1000K035	100M K 6X6 L5 TP
		L701	OLR1000K035	100M K 6X6 L5 TP
		L702	OLR1000K035	100M K 6X6 L5 TP
		L703	OLR1000K035	100M K 6X6 L5 TP
		L704	OLA0222K018	22M K 2.3X3.4 L5 TP
		L750	OLA0121K018	1.2M K 2.3X3.4 L5 TP
		L751	OLR1000K035	100M K 6X6 L5 TP
		L752	OLA0332K018	33M K 2.3X3.4 L5 TP
		L753	OLA0152K018	15M K 2.3X3.4 L5 TP
		L754	OLA0102K018	10M K 2.3X3.4 L5 TP
		L755	OLR1000K035	100M K 6X6 L5 TP
		L756	OLR1000K035	100M K 6X6 L5 TP
		L757	OLA0220K018	0.22M K 2.3X3.4 L5 TP
		L758	OLA0121K018	1.2M K 2.3X3.4 L5 TP
		L801	OLR1000K035	100M K 6X6 L5 TP
		L901	OLR1000K035	100M K 6X6 L5 TP
		L902	OLR1000K035	100M K 6X6 L5 TP
		L903	OLA1000K018	100M K 2.3X3.4 L5 TP
		L904	OLA1000K018	100M K 2.3X3.4 L5 TP
		L905	OLA1000K018	100M K 2.3X3.4 L5 TP
		L909	OLR6801J045	6800U J 6X7 L5 TP
		LP03	633-088A	SC-20M CHOKE,COIL
		LP04	633-088A	SC-20M CHOKE,COIL
		T401	633-032F	BIAS 126QN-K5171YA0-K TOKO
		T750	633-085A	V-COIL 2920N-K5592Z 77.8 TOKO
LED				
		LED501	ODL380009AA	GL380JTP IR LED D-27 TP SHARP

CONNECTOR			
	PM701	561-281G	8283-0812 (STICK)
	PM702	561-281G	8283-0812 (STICK)
CIRCUIT BOARD ASSEMBLY			
	PBAFC	6871R-0404A	AFC BOARD
	PBI00	6871R-0265B	IF
	PBJ00	6871R-0266D	JACK 1SCART
	PBM00	6871R-0263G	MAIN
	PBT00	6871R-0421A	TIMER
TRANSISTOR			
	Q303	OTR319909AF	KTC3199-BL MINI TP KEC
	Q307	OTR103009AE	KRC103M-TP (KRC1203) KEC
	Q308	OTR319909AF	KTC3199-BL MINI TP KEC
	Q309	OTR319909AF	KTC3199-BL MINI TP KEC
	Q310	OTR126709AC	KTA1267-GR MINI TP KEC
	Q311	OTR319909AF	KTC3199-BL MINI TP KEC
	Q312	OTR319909AF	KTC3199-BL MINI TP KEC
	Q315	OTR126709AC	KTA1267-GR MINI TP KEC
	Q401	OTR103009AF	KRA103M-TP (KRA2203) KEC
	Q402	OTR103009AF	KRA103M-TP (KRA2203) KEC
	Q403	OTR103009AE	KRC103M-TP (KRC1203) KEC
	Q404	OTR126609AE	KTA1266-GR,TP(KTA1015),KEC
	Q405	OTR320509AB	KTC3205-TP-Y (KTC2236A) KEC
	Q406	OTR126609AE	KTA1266-GR,TP(KTA1015),KEC
	Q407	OTR103009AF	KRC103M-TP (KRC1203) KEC

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		Q408	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q501	0TR141400AA	KTD1414 POWER (220 PACK) KEC
		Q502	0TR103009AF	KRA103M-TP (KRA2203) KEC
		Q503	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q504	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q506	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
		Q507	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q508	0TR126709AC	KTA1267-GR MINI TP KEC
		Q509	0TR126709AC	KTA1267-GR MINI TP KEC
		Q510	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q511	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q513	0TR320509AB	KTC3205-TP-Y (KTC2236A)KEC
		Q514	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q515	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q522	0TR127309AA	KTA1273-TP-Y (KTA966A)KEC
		Q523	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q524	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q525	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q526	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q529	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q701	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q702	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q703	0TR126709AC	KTA1267-GR MINI TP KEC
		Q704	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q750	0TR319709AC	KTC3197 (KTC388A) TP KEC
		Q751	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q801	0TR319809AC	KTC3198-TP-BL (KTC1815)KEC
		Q901	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC
		Q902	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q903	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q904	0TR126609AE	KTA1266-GR,TP(KTA1015),KEC

RESISTOR

	R301	0RH1201D622	1.2K 1/10W 5 D.R/TP
	R302	0RH1201D622	1.2K 1/10W 5 D.R/TP
	R303	0RH4702D622	47K 1/10W 5 D.R/TP
	R305	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R306	0RH8201D622	8.2K 1/10W 5 D.R/TP
	R308	0RH2201D622	2.2K 1/10W 5 D.R/TP
	R309	0RH2701D622	2.7K 1/10W 5 D.R/TP
	R310	0RH6800D622	680 1/10W 5 D.R/TP
	R311	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R315	0RH4701D622	4.7K 1/10W 5 D.R/TP
	R316	0RH1501D622	1.5K 1/10W 5 D.R/TP
	R317	0RH5602D622	56K 1/10W 5 D.R/TP
	R318	0RH2202D622	22K 1/10W 5 D.R/TP
	R320	0RH8202D622	82K 1/10W 5 D.R/TP
	R321	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R331	0RH2202D622	22K 1/10W 5 D.R/TP
	R333	0RH1501D622	1.5K 1/10W 5 D.R/TP
	R334	0RH1202D622	12K 1/10W 5 D.R/TP
	R335	0RH3302D622	33K 1/10W 5 D.R/TP
	R336	0RH5600D622	560 1/10W 5 D.R/TP
	R337	0RH1801D622	1.8K 1/10W 5 D.R/TP
	R338	0RH1802D622	18K 1/10W 5 D.R/TP
	R339	0RH0000D622	0 1/10W 5 D.R/TP
	R340	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R341	0RH2700D622	270 1/10W 5 D.R/TP
	R342	0RH6800D622	680 1/10W 5 D.R/TP
	R343	0RH4700D622	470 1/10W 5 D.R/TP
	R344	0RH4701D622	4.7K 1/10W 5 D.R/TP
	R345	0RH5600D622	560 1/10W 5 D.R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R347	0RH1201D622	1.2K 1/10W 5 D.R/TP
		R348	0RH3900D622	390 1/10W 5 D.R/TP
		R349	0RH5600D622	560 1/10W 5 D.R/TP
		R350	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R351	0RH4700D622	470 1/10W 5 D.R/TP
		R353	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R354	0RH2201D622	2.2K 1/10W 5 D.R/TP
		R356	0RH1201D622	1.2K 1/10W 5 D.R/TP
		R357	0RH3900D622	390 1/10W 5 D.R/TP
		R358	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R359	0RH2201D622	2.2K 1/10W 5 D.R/TP
		R360	0RH2201D622	2.2K 1/10W 5 D.R/TP
		R361	0RH8200D622	820 1/10W 5 D.R/TP
		R362	0RH1800D622	180 1/10W 5 D.R/TP
		R370	0RH2201D622	2.2K 1/10W 5 D.R/TP
		R377	0RH1802D622	18K 1/10W 5 D.R/TP
		R378	0RH1501D622	1.5K 1/10W 5 D.R/TP
		R3A1	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R3A2	0RH0000D622	0 1/10W 5 D.R/TP
		R3A3	0RH0000D622	0 1/10W 5 D.R/TP
		R3A4	0RH0000D622	0 1/10W 5 D.R/TP
		R3A6	0RH0000D622	0 1/10W 5 D.R/TP
		R3A9	0RH5600D622	560 1/10W 5 D.R/TP
		R3B3	0RH0000D622	0 1/10W 5 D.R/TP
		R3P1	0RH0000D622	0 1/10W 5 D.R/TP
		R401	0RD1002F608	10K 1/6W 5 TA26
		R402	0RD3303F608	330K 1/6W 5 TA26
		R403	0RD1502F608	15K 1/6W 5 TA26
		R404	0RD1500F608	150 1/6W 5 TA26
		R405	0RD1004F608	1.0M 1/6W 5 TA26
		R406	0RD1002F608	10K 1/6W 5 TA26
		R407	0RD4701F608	4.7K 1/6W 5 TA26
		R408	0RD0681F608	6.8 1/6W 5 TA26
		R409	0RD0472F608	47 1/6W 5 TA26
		R410	0RD4702F608	47K 1/6W 5 TA26
		R411	0RD1501F608	1.5K 1/6W 5 TA26
		R412	0RD1201F608	1.2K 1/6W 5 TA26
		R413	0RD1802F608	18K 1/6W 5 TA26
		R414	0RD2702F608	27K 1/6W 5 TA26
		R415	0RD3302F608	33K 1/6W 5 TA26
		R416	0RD0102F608	10 1/6W 5 TA26
		R417	0RD8201F608	8.2K 1/6W 5 TA26
		R418	0RD1502F608	15K 1/6W 5 TA26
		R419	0RD1200F608	120 1/6W 5 TA26
		R420	0RD3302F608	33K 1/6W 5 TA26
		R421	0RD1002F608	10K 1/6W 5 TA26
		R423	0RD3302F608	33K 1/6W 5 TA26
		R424	0RD1002F608	10K 1/6W 5 TA26
		R425	0RD3301F608	3.3K 1/6W 5 TA26
		R426	0RD4701F608	4.7K 1/6W 5 TA26
		R427	0RD4701F608	4.7K 1/6W 5 TA26
		R428	0RD1002F608	10K 1/6W 5 TA26
		R429	0RD3301F608	3.3K 1/6W 5 TA26
		R430	0RD3902F608	39K 1/6W 5 TA26
		R431	0RD1802F608	18K 1/6W 5 TA26
		R432	0RD1502F608	15K 1/6W 5 TA26
		R433	0RD1002F608	10K 1/6W 5 TA26
		R434	0RD1202F608	12K 1/6W 5 TA26
		R500	0RD4701F608	4.7K 1/6W 5 TA26
		R501	0RD4701F608	4.7K 1/6W 5 TA26
		R502	0RD6801F608	6.8K 1/6W 5 TA26
		R503	0RD1002F608	10K 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R504	ORD0681F608	6.8 1/6W 5 TA26			R580	ORD4701F608	4.7K 1/6W 5 TA26
		R505	ORD1001F608	1.0K 1/6W 5 TA26			R581	ORD0101F608	1.0 1/6W 5 TA26
		R506	ORD4701F608	4.7K 1/6W 5 TA26			R582	ORD1001F608	1.0K 1/6W 5 TA26
		R507	ORD4701F608	4.7K 1/6W 5 TA26			R583	ORD1001F608	1.0K 1/6W 5 TA26
		R508	ORD4701F608	4.7K 1/6W 5 TA26			R584	ORD1001F608	1.0K 1/6W 5 TA26
		R509	ORD4701F608	4.7K 1/6W 5 TA26			R585	ORD1001F608	1.0K 1/6W 5 TA26
		R510	ORD4701F608	4.7K 1/6W 5 TA26			R586	ORD1000F608	100 1/6W 5 TA26
		R511	ORD4701F608	4.7K 1/6W 5 TA26			R587	ORD1000F608	100 1/6W 5 TA26
		R512	ORD4701F608	4.7K 1/6W 5 TA26			R588	ORD1001F608	1.0K 1/6W 5 TA26
		R513	ORD1002F608	10K 1/6W 5 TA26			R589	ORD1000F608	100 1/6W 5 TA26
		R514	ORD0681F608	6.8 1/6W 5 TA26			R590	ORD6801F608	6.8K 1/6W 5 TA26
		R515	ORD1004F608	1.0M 1/6W 5 TA26			R591	ORD0101F608	1.0 1/6W 5 TA26
		R516	ORD1202F608	12K 1/6W 5 TA26			R592	ORD4701F608	4.7K 1/6W 5 TA26
		R518	ORD5601F608	5.6K 1/6W 5 TA26			R593	ORD4701F608	4.7K 1/6W 5 TA26
		R519	ORD1004F608	1.0M 1/6W 5 TA26			R594	ORD4701F608	4.7K 1/6W 5 TA26
		R521	ORD1502F608	15K 1/6W 5 TA26			R595	ORD1001F608	1.0K 1/6W 5 TA26
		R525	ORD1002F608	10K 1/6W 5 TA26			R596	ORD1001F608	1.0K 1/6W 5 TA26
		R526	ORD1002F608	10K 1/6W 5 TA26			R597	ORD1001F608	1.0K 1/6W 5 TA26
		R527	ORD4701F608	4.7K 1/6W 5 TA26			R598	ORD1801F608	1.8K 1/6W 5 TA26
		R528	ORD1002F608	10K 1/6W 5 TA26			R599	ORD4701F608	4.7K 1/6W 5 TA26
		R529	ORD4701F608	4.7K 1/6W 5 TA26			R5A2	ORD1000F608	100 1/6W 5 TA26
		R531	ORD5601F608	5.6K 1/6W 5 TA26			R5A3	ORD4701F608	4.7K 1/6W 5 TA26
		R532	ORD2202F608	22K 1/6W 5 TA26			R5A4	ORD4701F608	4.7K 1/6W 5 TA26
		R533	ORD2202F608	22K 1/6W 5 TA26			R5A5	ORD5601F608	5.6K 1/6W 5 TA26
		R534	ORD4703F608	470K 1/6W 5 TA26			R5A6	ORD5601F608	5.6K 1/6W 5 TA26
		R535	ORD5601F608	5.6K 1/6W 5 TA26			R5A7	ORD1001F608	1.0K 1/6W 5 TA26
		R536	ORD2200F608	220 1/6W 5 TA26			R5A9	ORD4701F608	4.7K 1/6W 5 TA26
		R537	ORD4701F608	4.7K 1/6W 5 TA26			R5B1	ORD1000F608	100 1/6W 5 TA26
		R538	ORD1002F608	10K 1/6W 5 TA26			R5B2	ORD0102F608	10 1/6W 5 TA26
		R539	ORD5602F608	56K 1/6W 5 TA26			R5B3	ORD1001F608	1.0K 1/6W 5 TA26
		R540	ORD1001F608	1.0K 1/6W 5 TA26			R5B4	ORD1803F608	180K 1/6W 5 TA26
		R541	ORD1004F608	1.0M 1/6W 5 TA26			R5X3	ORD2200F608	220 1/6W 5 TA26
		R542	ORD2200F608	220 1/6W 5 TA26			R5X4	ORD2200F608	220 1/6W 5 TA26
		R543	ORD3302F608	33K 1/6W 5 TA26			R5X5	ORD2200F608	220 1/6W 5 TA26
		R544	ORD3302F608	33K 1/6W 5 TA26			R5X7	ORD2202F608	22K 1/6W 5 TA26
		R545	ORD1001F608	1.0K 1/6W 5 TA26			R5X8	ORD1002F608	10K 1/6W 5 TA26
		R546	ORD1001F608	1.0K 1/6W 5 TA26			R601	ORD1201F608	1.2K 1/6W 5 TA26
		R547	ORD5601F608	5.6K 1/6W 5 TA26			R602	ORD2201F608	2.2K 1/6W 5 TA26
		R548	ORD1003F608	100K 1/6W 5 TA26			R603	ORD8200F608	820 1/6W 5 TA26
		R549	ORD1002F608	10K 1/6W 5 TA26			R604	ORD1201F608	1.2K 1/6W 5 TA26
		R551	ORD2200F608	220 1/6W 5 TA26			R605	ORD2201F608	2.2K 1/6W 5 TA26
		R552	ORD2200F608	220 1/6W 5 TA26			R606	ORD3901F608	3.9K 1/6W 5 TA26
		R554	ORD1501F608	1.5K 1/6W 5 TA26			R608	ORD0471F608	4.7 1/6W 5 TA26
		R555	ORD2200F608	220 1/6W 5 TA26			R609	ORD0471F608	4.7 1/6W 5 TA26
		R556	ORD2702F608	27K 1/6W 5 TA26			R610	ORD3302F608	33K 1/6W 5 TA26
		R557	ORD3302F608	33K 1/6W 5 TA26			R611	ORD5602F608	56K 1/6W 5 TA26
		R558	ORD3302F608	33K 1/6W 5 TA26			R612	ORD5602F608	56K 1/6W 5 TA26
		R559	ORD1002F608	10K 1/6W 5 TA26			R613	ORD5602F608	56K 1/6W 5 TA26
		R560	ORD1002F608	10K 1/6W 5 TA26			R614	ORD5602F608	56K 1/6W 5 TA26
		R561	ORD5600F608	560 1/6W 5 TA26			R616	ORD4701F608	4.7K 1/6W 5 TA26
		R562	ORD5600F608	560 1/6W 5 TA26			R617	ORD8200F608	820 1/6W 5 TA26
		R563	ORD1002F608	10K 1/6W 5 TA26			R701	ORD0822F608	82 1/6W 5 TA26
		R564	ORD2702F608	27K 1/6W 5 TA26			R704	ORD1002F608	10K 1/6W 5 TA26
		R565	ORD1001F608	1.0K 1/6W 5 TA26			R705	ORD1002F608	10K 1/6W 5 TA26
		R567	ORD2201F608	2.2K 1/6W 5 TA26			R706	ORD1202F608	12K 1/6W 5 TA26
		R568	ORD2703F608	270K 1/6W 5 TA26			R707	ORD1202F608	12K 1/6W 5 TA26
		R569	ORD1203F608	120K 1/6W 5 TA26			R708	ORD1202F608	12K 1/6W 5 TA26
		R570	ORD1001F608	1.0K 1/6W 5 TA26			R709	ORD1002F608	10K 1/6W 5 TA26
		R572	ORD2201F608	2.2K 1/6W 5 TA26			R710	ORD5601F608	5.6K 1/6W 5 TA26
		R574	ORD1802F608	18K 1/6W 5 TA26			R711	ORD5601F608	5.6K 1/6W 5 TA26
		R575	ORD6801F608	6.8K 1/6W 5 TA26			R712	ORD3301F608	3.3K 1/6W 5 TA26
		R576	ORD2702F608	27K 1/6W 5 TA26			R716	ORD2202F608	22K 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R717	ORD2203F608	220K 1/6W 5 TA26
		R720	ORD4700F608	470 1/6W 5 TA26
		R721	ORD2202F608	22K 1/6W 5 TA26
		R722	ORD2202F608	22K 1/6W 5 TA26
		R726	ORD5601F608	5.6K 1/6W 5 TA26
		R751	ORD4701F608	4.7K 1/6W 5 TA26
		R752	ORD1201F608	1.2K 1/6W 5 TA26
		R753	ORD5600F608	560 1/6W 5 TA26
		R754	ORD0472F608	47 1/6W 5 TA26
		R755	ORD1200F608	120 1/6W 5 TA26
		R757	ORD2701F608	2.7K 1/6W 5 TA26
		R758	ORD2701F608	2.7K 1/6W 5 TA26
		R759	ORD2200F608	220 1/6W 5 TA26
		R760	ORD2700F608	270 1/6W 5 TA26
		R761	ORD5601F608	5.6K 1/6W 5 TA26
		R763	ORD1001F608	1.0K 1/6W 5 TA26
		R764	ORD8201F608	8.2K 1/6W 5 TA26
		R765	ORD1802F608	18K 1/6W 5 TA26
		R766	ORD2200F608	220 1/6W 5 TA26
		R767	ORD2700F608	270 1/6W 5 TA26
		R768	ORD2202F608	22K 1/6W 5 TA26
		R769	ORD2202F608	22K 1/6W 5 TA26
		R770	ORD1201F608	1.2K 1/6W 5 TA26
		R801	ORD3900F608	390 1/6W 5 TA26
		R802	ORD1001F608	1.0K 1/6W 5 TA26
		R803	ORD4700F608	470 1/6W 5 TA26
		R805	ORD1002F608	10K 1/6W 5 TA26
		R807	ORD5601F608	5.6K 1/6W 5 TA26
		R901	ORD5603F608	560K 1/6W 5 TA26
		R902	ORD6801F608	6.8K 1/6W 5 TA26
		R903	ORD5603F608	560K 1/6W 5 TA26
		R904	ORD6801F608	6.8K 1/6W 5 TA26
		R905	ORD8202F608	82K 1/6W 5 TA26
		R906	ORD1004F608	1.0M 1/6W 5 TA26
		R907	ORD1001F608	1.0K 1/6W 5 TA26
		R909	ORD1002F608	10K 1/6W 5 TA26
		R910	ORD2201F608	2.2K 1/6W 5 TA26
		R911	ORD1001F608	1.0K 1/6W 5 TA26
		R914	ORD0752F608	75 1/6W 5 TA26
		R918	ORD0682F608	68 1/6W 5 TA26
		R922	ORD5601F608	5.6K 1/6W 5 TA26
		R923	ORD5601F608	5.6K 1/6W 5 TA26
		R928	ORD1002F608	10K 1/6W 5 TA26
		R932	ORD8201F608	8.2K 1/6W 5 TA26
		R935	ORD1001F608	1.0K 1/6W 5 TA26
		R936	ORD1001F608	1.0K 1/6W 5 TA26
		R940	ORD1000F608	100 1/6W 5 TA26
		R941	ORD3900F608	390 1/6W 5 TA26
		RP01	614-007A	2.7/2W CEMENT SMPS V
		RP02	ORD4702F608	47K 1/6W 5 TA26
		RP03	ORD4702F608	47K 1/6W 5 TA26
		RP04	614-006B	MATAL OXIDE SMALL 0.47/2W,5%
		RP05	ORD1202F608	12K 1/6W 5 TA26
		RP07	ORD1800F608	180 1/6W 5 TA26
		RP08	ORD0752F608	75 1/6W 5 TA26
		RP09	ORD0222F608	22 1/6W 5 TA26
		RP10	ORD5101F608	5.1K 1/6W 5 TA26
		RP13	ORD1800F608	180 1/6W 5 TA26
		RP14	614-006C	MATAL OXIDE SMALL 56K/2W,5%
		RP15	ORD2201F608	2.2K 1/6W 5 TA26
		RP16	ORD3301F408	3.3K 1/6W 1 TA26
		RP17	ORD3300F608	330 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		RP18	0RD1001F608	1.0K 1/6W 5 TA26
		RP19	0RN4701F408	4.7K 1/6W 1 TA26
		RP20	0RD0222F608	22 1/6W 5 TA26
		RP21	0RD1003F608	100K 1/6W 5 TA26
REMOCON RECEIVER				
		RC601	668-227R	RECE 20.0 3276A 2800 KOTECO
SENSOR				
	OR	ICP02	657-061B	PHOTO COUPLER PS2561-1-V NEC
		ICP02	657-062B	PC123Y PHOTO-COUPLER(SHARP)
		SS03	657-040B	REEL RPI-352Q01 D-27 ROHM-J
		SS04	657-040B	REEL RPI-352Q01 D-27 ROHM-J
SCART				
		JK901	573-019A	RGB SOCKET (BRS-03S) ANGLE
SWITCH				
		SW501	556-244A	REC S/W,MPU10105MMBO,MIC
		SW502	556-243D	F/L SW,MPU10400(MIC),D-27
		SW601	556-219A	SKHV10910A (GS ALPS)
		SW602	556-219A	SKHV10910A (GS ALPS)
		SW603	556-219A	SKHV10910A (GS ALPS)
		SW604	556-219A	SKHV10910A (GS ALPS)
		SW605	556-219A	SKHV10910A (GS ALPS)
		SW606	556-219A	SKHV10910A (GS ALPS)
		SW607	556-219A	SKHV10910A (GS ALPS)
		SW608	556-219A	SKHV10910A (GS ALPS)
		SW609	556-219A	SKHV10910A (GS ALPS)
TUNER				
		TU701	521-415A	MTSH7HD23 B/G VS HYPER SHARP
VARIABLE RESISTOR				
		VR401	613-032W	RH0638CJ5R (220K)
		VR501	613-032N	RH0638C14R14A (10K)
		VR502	613-004J	VR RH0681CJ3J(2.2K),J/ALPS
		VR701	613-032Q	RH0638CJ4R0WA (22K)
CRYSTAL				
		X301	529-020P	4.433619MHZ 15PPM GRAY L-4.0
		X501	529-020I	10.000000MHZ 30PPM NO-TU L-4.0
		X502	529-001K	32.768KHZ 3°SE SEIKO (20PPM)
		X503	529-022V	17.734476MHZ CL-12P 25PPM LEAD
		X801	529-019A	CSB500F-9 MURATA
ZENER DIODE				
		D03	0DZ220009ED	MTZ22B T-77 TP ROHM
		ZD501	0DZ750009DA	MTZ7.5B TP ROHM-K
		ZD502	0DZ130009AA	MTZ13A TP ROHM-K
		ZD503	0DZ150009BA	MTZ15A TP ROHM-K
		ZD504	0DZ560009CB	MTZ5.6C,0.5W(26MM) TP ROHM
		ZD505	0DZ270009CA	MTZ27C TP ROHM-KOREA
		ZD901	0DZ150009BC	MTZ15B ROHM-K
		ZD902	0DZ150009BC	MTZ15B ROHM-K
		ZDP02	0DZ560009CA	MTZ5.6B TP ROHM-K
		ZDP06	0DZ180009CA	MTZ18B TP ROHM-K

SECTION 5 REPLACEMENT PARTS LIST

• Mechanical Section (MODEL : T213HP)

RUN DATE : 95.07.13
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
ASSEMBLY PARTS SECTION						
	OR	A00	412-183A	DECK	ASSY D-27 P (2HD MONO VCR)	
		A00	412N183A	DECK	V/D D-27 P (2HD MONO VCR)	
		A01	413-312E	DRUM	ASSY V-2CH(P1)D27	
	OR	A01	413B312E	DRUM	ASSY V-2CH(P1) D27 BOKWANG	
		A02	225-361A	BASE	ASSY P2	
		A03	225-364A	BASE	ASSY P3	
		A04	386-394A	ARM	ASSY CLEANER	
		A05	386-405A	ARM	ASSY T/UP	
		A06	321-668A	BRACKET	ASSY L/D MOTOR	
		A07	340-070A	HOLDER	ASSY PINCH	
		A08	333-331A	LEVER	ASSY F/R	
		A09	435-435A	GEAR	ASSY P2	
		A10	435-437A	GEAR	ASSY P3	
		A12	333-329A	LEVER	ASSY TENSION	
		A13	328-075A	BAND	ASSY TENSION	
		A20	219-023A	HOUSING	ASSY D-27	
		A21	340-010A	HOLDER	ASSY CST	
		A22	321-672A	BRACKET	ASSY SIDE(R)	NSP
PARTS SECTION						
	OR	001	413-315A	DRUM	SUB ASSY(P1)	
		002	414-209A	MOTOR	ASSY DRUM GVD-027A ALPS	
		002	414-217A	MOTOR	ASSY DRUM E20XL14 D27 SANKYO	
		003	311-011A	CHASSIS ASSY'	D27	NSP
		004	225-362A	BASE	SUB ASSY P2	NSP
		006	225-368A	BASE	DRUM	
		007	225-371A	BASE	ASSY A/C	
		010	225-365A	BASE	SUB ASSY P3	NSP
		012	225-399A	BASE	ASSY BRUSH	
		013	386-395A	ARM	CLEANER	NSP
		014	324-835B	HOLDER	ASSY CLEANER	NSP
		015	386-392A	ARM	ASSY TENSION	
		020	442-640A	SPRING	TENSION	
		021	456-070A	REEL	S27	
		022	456-071A	REEL	T27	
		025	340-008A	HOLDER	BAND(C)	NSP
		026	333-330A	LEVER	TENSION	NSP
		030	338-112A	BRAKE	ASSY SM	
		031	338-114A	BRAKE	ASSY TM	
		032	442-655A	SPRING	MB	
		033	338-116A	BRAKE	ASSY TS	
		034	442-654A	SPRING	TSB	
		035	316-019A	BODY	PRISM LED	
		036	257-071A	PLATE	UP	
		040	435-441A	GEAR	PINCH CAM	
		041	435-440A	GEAR	PINCH	
		042	435-439A	GEAR	CNT	
		043	386-404A	ARM	SUB ASSY T/UP	

S	AL	LOCNO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
	044	442-650A	SPRING		T/UP	
	045	321-669A	BRACKET		L/D MOTOR	NSP
	046	414-199A	MOTOR		ASSY L/D	
	047	437-019A	WORM		L/D MOTOR	
	048	437-020A	WORM		WHEEL	
	050	386-401A	ARM		ASSY PINCH	
	051	340-073A	HOLDER		SUB ASSY PINCH	
	052	225-374A	BASE		TENSION	
	053	333-332A	LEVER		F/R	NSP
	054	442-645A	SPRING		F/R	NSP
	055	442-649A	SPRING		PINCH	NSP
	056	333-334A	LEVER		ASSY P2	NSP
	057	386-398A	ARM		F/R	
	060	435-436A	GEAR		P2	NSP
	061	442-647A	SPRING		P2	NSP
	062	333-336A	LEVER		ASSY P3	NSP
	063	435-438A	GEAR		P3	NSP
	064	442-648A	SPRING		P3	NSP
	065	435-442A	GEAR		P/S	
	066	257-070A	PLATE		SLIDER	
	070	337-007B	CLUTCH		ASSY S27	
	071	337-008A	CLUTCH		ASSY T27	
	072	386-396A	ARM		ASSY IDLER	
	073	442-644A	SPRING		UP/D	
	074	434-173A	ROLLER		ASSY GUIDE	
	075	435-433A	GEAR		CAM L/D	
	076	556-252B	SWITCH		MODE S/W(D-27),HMW0840-01,HOSI	
	077	435-432A	GEAR		PULLEY	
	080	442-656A	SPRING		H1	
	081	435-443A	GEAR		H1	
	082	333-339A	LEVER		H1	
	083	435-444A	GEAR		H-2	
	084	414-201A	MOTOR		GVC-027A CAPSTAN D-27 ALPS	
	085	321-696A	BRACKET		CAPSATN,D27	
	086	452-062A	BELT		CAPSTAN	
	094	338-110A	BRAKE		ASSY CAP	
	095	333-338A	LEVER		TAB	NSP
	096	442-652A	SPRING		TAB	
	100	257-072A	PLATE		TOP	
	101	386-407A	ARM		ASSY F/L	
	102	340-011A	HOLDER		SUB ASSY CST	
	103	321-671A	BRACKET		HOLDER(R)	NSP
	104	333-341A	LEVER		STOPPER(R)	NSP
	105	465-039A	OPENER		LID	NSP
	106	386-410A	ARM		RELEASE	NSP
	110	442-660A	SPRING		RELEASE	
	111	442-659A	SPRING		STOPPER	
	112	477-058A	RUBBER		GRIP	NSP
	113	321-673A	BRACKET		SUB ASSY (R)	NSP
	114	435-445A	GEAR		CAM F/L	NSP
	115	435-446A	GEAR		CONNECT	NSP
	116	435-447A	GEAR		WORM	NSP
	120	333-342A	LEVER		SWITCH	NSP
	121	442-661A	SPRING		SWITCH	NSP
	122	257-074A	PLATE		COVER	NSP

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
	OR	123	384-143A	GUIDE	CST	
		123	384-151A	GUIDE	CST27	
		126	465-040A	OPENER	DOOR	NSP
		130	257-075A	PLATE	GROUND	NSP
		131	340-062A	HOLDER	ASSY PRISM	

SCREW

		401	1MPK0261418	PAN HEAD MACHINE SCREW +,-	D 2.6 L 4.0 MSWR3/FZY	
		405	1MDC0262818	PAN HEAD MACHINE SCREW P/WASH+	D2.6 L12 MSWR3/FZY	
		406	1MEC0302018	PAN HEAD MACHINE SCREW S/W +	D 3.0 L 6.0 MSWR3/FZY	
		408	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L 8.0 MSWR3/FZY	
		411	353-046B	SCREW	SPECIAL (3X8 FZMY)	NSP
		421	1MPC0302618	PAN HEAD MACHINE SCREW +!	D3.0 L10.0,MSWR3/FZY	
		426	1MPC0302018	PAN HEAD MACHINE SCREW +!	D 3.0 L 6.0 MSWR3/FZY	
		427	353-054B	SCREW	MINIATURE	
		428	353-221A	SCREW	M3-L15	

NUT, WASHER

		500	354-080F	WASHER	STOPPER	
		504	354-001B	WASHER	P.S D3.1XD6X0.5T	
		511	354-080C	WASHER	STOPPER	
		518	354-128A	WASHER	STOPPER	
		519	354-128B	WASHER	STOPPER	

• Cabinet & Main Frame Section

RUN DATE : 95.07.13
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
ASSEMBLY PARTS SECTION						
		A43	258-756M	PANEL	ASSY FRONT	
		A44	3501R-0278F	BOARD ASSY	SMPS	
		A45	501-521G	MODULE	MAIN	
		A46	3501R-0263C	BOARD ASSY		

PARTS SECTION

		250	217-570C	CASE	TOP	
		260	315-347B	FRAME	MAIN(60HR)	
		266	321-738A	BRACKET	ASSY HOUSING	
		267	255-429A	PLATE	GND(M/F)	
		268	255-359A	PLATE	SIDE GND	
		269	255-362A	PLATE	PRE-AMP GND	
		270	321-743A	BRACKET	PROTECT	
		275	324-802A	HOLDER	DIGITRON	
		280	258-757L	PANEL	FRONT	
		283	226-110L	DOOR	CST (T213HP 3GG1)	
		284	442-681A	SPRING	DOOR	
		300	681-051A	CORD	KKP-419J B-172 KLCE-2F PAL	
	OR	300	681-951A	CORD	H03VVH2-F 2X0.75MM LP21R/PE221	
		320	258-728D	PANEL	ASSY DISTRIBUTOR	

RUN DATE : 95.07.13
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		330	220-050A	COVER	BOTTOM	
SCREW						
		452	353-051A	SCREW	SPECIAL(3X10 FZMY)	
		459	353-046A	SCREW	SPECIAL (3X6 FZMY)	
		462	353-136A	SCREW	SPECIAL(4.6X12.5 FBK)	
		463	1MBC0302418	BINDING HEAD MACHINE SCREW +	D 3.0 L 8.0 MSWR3/FZY	
		469	353-046K	SCREW	SPECIAL (3X10 B.K)	

• Packing Accessory Section

RUN DATE : 95.07.13
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		801	480-658A	INSTRUCTION ASSY		
		802	290-368A	BOX CARTON		
		803	283-292A	PACKING		
		804	291-002B	SHEET CUSHION		
		808	534-008C	BATTERY	AAAM(R03) 1.5V 1PAIR(LOCAL)	
		810	861-505B	CABLE SET ASSY	RF-CABLE,ASSY,PAL	NSP

• Remote Control Section

RUN DATE : 95.07.13
NSP: Not Service Part

S	AL	LOCA.NO	PART NO(GS)	DESCRIPTION	SPECIFICATION	REMARKS
		900	597-123B	REMOTE CONTROL	ASSY (M2)	
		901	255-405B	PLATE	TOP R/C	
		902	217-603B	CASE	TOP(D.G)	
		903	556-268B	SWITCH	CONDUCTIVE RUBBER	
		904	6871R-0405A	PWB ASSY!	M2 R/C NORMAL(P20P)	
		905	220-130A	COVER	BOTTOM R/C	
		906	236-580A	WINDOW	FILTER	
		907	220-131A	COVER	BATTERY	
		908	442-726A	SPRING	BATTERY	

• Electrical Section

RUN DATE : 95.07.13

CAUTION: The * marks in the parts list designate components which have special characteristics important for safety and should be replaced only with types identical to those in the original circuit or specified in the parts list. Before replacing any of these components, read carefully the SAFETY PRECAUTIONS and SERVICING PRECAUTIONS in the manual. Do not degrade the safety of the unit through improper servicing.

Tolerance

Symbol	C	J	K	M	N	Z	P	A
%	±2	±5	±10	±20	±30	+80 -20	+100 -10	+100 -10

CC, CJ, CK: Capacitor, Ceramic
CE: Capacitor, Electrolytic
CQ: Capacitor, Polyester

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
CAPACITOR				
		C303	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C305	OCH4121K416	120P 50V J NPO 2.0X1.2 R/TP
		C306	OCH1473K946	0.047U 50V Z F 2.0X1.2 R/TP
		C307	OCH1473K946	0.047U 50V Z F 2.0X1.2 R/TP
		C308	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C309	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C310	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C311	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C312	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C313	OCE1074F638	100U SRA 16V M FM5 TP(5)
		C314	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C315	OCH1473K946	0.047U 50V Z F 2.0X1.2 R/TP
		C317	OCH4220K416	22P 50V J NPO 2.0X1.25 R/TP
		C318	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C319	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C320	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C321	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C322	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C323	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C324	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C326	OCE1074F638	100U SRA 16V M FM5 TP(5)
		C327	OCH1104K946	0.1U 50V Z F 2.0X1.2 R/TP
		C328	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C329	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C330	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C331	OCE1054K636	1.0U SRA 50V M FM5 BP TP(D)
		C332	OCH4331K416	330P 50V J NPO 2.0X1.2 R/TP
		C333	OCH4050K016	5P 50V C COG 2.0X1.2 R/TP
		C335	OCE1064F638	10M SRA 16V M FM5 TP(5)
		C336	OCH4050K016	5P 50V C COG 2.0X1.2 R/TP
		C337	OCH4680K416	68P 50V J COG 2.0X1.2 R/TP
		C338	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C340	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C341	OCE1074F638	100U SRA 16V M FM5 TP(5)
		C342	OCE1064F638	10M SRA 16V M FM5 TP(5)
		C343	OCH4680K416	68P 50V J COG 2.0X1.2 R/TP
		C355	OCH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C360	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C363	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C365	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C366	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C367	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C368	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C374	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C378	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C379	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C380	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C381	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C382	OCH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C383	OCH4270K416	27P 50V J COG 2.0X1.2 R/TP
		C385	OCH4560K416	56P 50V J NPO 2.0X1.25 R/TP
		C386	OCH4680K416	68P 50V J COG 2.0X1.2 R/TP
		C387	OCH4270K416	27P 50V J COG 2.0X1.2 R/TP
		C388	OCH4330K416	33P 50V J C 2.0X1.2 R/TP
		C389	OCH4121K416	120P 50V J NPO 2.0X1.2 R/TP
		C391	OCH4220K416	22P 50V J NPO 2.0X1.25 R/TP
		C392	OCH4470K416	47P 50V J NPO 2.0X1.25 R/TP
		C393	OCH4271K416	270P 50V J COG 2.0X1.2 R/TP
		C394	OCH4390K416	39P 50V J COG 2.0X1.2 R/TP
		C395	OCH4221K416	220P 50V J 2.0X1.25 R/TP
		C396	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C398	OCH4181K416	180P 50V J NPO 2.0*1.25 R/TP
		C399	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C3A3	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C3A4	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C3A5	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C3A8	OCH4331K416	330P 50V J NPO 2.0X1.2 R/TP
		C3A9	OCH1223K946	0.022U 50V Z F 2.0X1.25 R/TP
		C3B2	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C3D2	OCH4241K416	240PF 50V J NPO 2012 R/TP
		C3D3	OCH4471K416	470P 50V J 2.0*1.25 R/TP
		C3D5	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C3D6	OCE1063F636	10UF SRE 16V M FM5 BP(D) TP
		C3D8	OCH4151K416	150P 50V J NPO 2.0X1.2 R/TP
		C3D9	OCH1102K516	1000P 50V KB 2.0X1.25 R/TP
		C3P1	OCH1103K516	0.01U 50V KB 2.0X1.25 R/TP
		C401	OCQ8221N409	0.0082U 100V J POLY TP
		C402	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C403	OCE1046K638	0.1M SMS 50V M FM5 TP(5)
		C404	OCE1066F638	10UF SMS 16V M FM5 TPS
		C405	OCE1046K638	0.1M SMS 50V M FM5 TP(5)
		C406	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C407	OCQ1032K409	0.01UF S 50V J PE TP
		C408	OCQ1032K409	0.01UF S 50V J PE TP
		C409	OCQ6832K409	0.0680UF S 50V J PE TP
		C410	OCN2210K518	220P 50V KB TA26
		C411	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C412	OCN1030F678	0.01M 16V M Y TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C413	OCEQ1831N409	0.018U 100V J POLY TP			C559	OCE4766F638	47M SMS 16V M FM5 TP5
		C414	OCE2266F638	22M SMS 16V M FM5 TP5			C560	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C415	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)			C561	OCE4776F638	470UF SMS 16V M FM5 TP5
		C416	OCEQ1521N409	0.0015U 100V J POLY TP			C562	OCN1040K948	0.1M 50V Z F TA26
		C417	OCEQ4721N409	0.0047U 100V J POLY TP			C564	OCN2230H948	0.022M 25V Z F TA26
		C418	OCE1064F638	10M SRA 16V M FM5 TP(5)			C566	OCN1040K948	0.1M 50V Z F TA26
		C419	OCE1064F638	10M SRA 16V M FM5 TP(5)			C567	OCN1040K948	0.1M 50V Z F TA26
		C421	OCE1046K638	0.1M SMS 50V M FM5 TP(5)			C568	OCN1040K948	0.1M 50V Z F TA26
		C422	OCN1020K518	1000P 50V KB TA26			C569	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C500	OCE2274C638	220M SRA 6.3V M FM5 TP(5)			C570	OCE1074F638	100U SRA 16V M FM5 TP(5)
		C502	OCE4763F638	47M SRE 16V M FM5 TP(5)			C571	OCN1040K948	0.1M 50V Z F TA26
		C503	OCE2274C638	220M SRA 6.3V M FM5 TP(5)			C572	OCE1074F638	100U SRA 16V M FM5 TP(5)
		C504	OCN1030F678	0.01M 16V M Y TA26			C573	OCN1040K948	0.1M 50V Z F TA26
		C505	OCE4766F638	47M SMS 16V M FM5 TP5			C574	OCE223K636	2.0000UF SRE 50V M FM5 BP(D) T
		C506	OCC3310K415	330PF 50V J NP0 TR			C577	OCN1040K948	0.1M 50V Z F TA26
		C507	OCE1064F638	10M SRA 16V M FM5 TP(5)			C580	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C508	OCN1040K948	0.1M 50V Z F TA26			C582	OCN1030F678	0.01M 16V M Y TA26
		C510	OCE4754K638	4.7M SRA 50V M FM5 TP(5)			C590	OCN1030F678	0.01M 16V M Y TA26
		C511	OCC0800K015	8P 50V C NP0 TS			C592	OCN1040K948	0.1M 50V Z F TA26
		C512	OCE4764F638	47M SRA/SS 16V M FM5 TP(5)			C593	OCN2210K518	220P 50V KB TA26
		C513	OCN1040K948	0.1M 50V Z F TA26			C595	OCN1040K948	0.1M 50V Z F TA26
		C514	OCC1500K415	15P 50V J NP0 TS			C596	OCN1040K948	0.1M 50V Z F TA26
		C515	OCC1500K415	15P 50V J NP0 TS			C5X3	OCN2230H948	0.022M 25V Z F TA26
		C516	OCC1200K415	12P 50V J NP0 TS			C801	OCN1040K948	0.1M 50V Z F TA26
		C517	OCC1000K015	10P 50V C NP0 TS			C802	OCN1040K948	0.1M 50V Z F TA26
		C518	OCC3300K415	33P 50V J NP0 TP			C803	OCE1064F638	10M SRA 16V M FM5 TP(5)
		C519	OCC3300K415	33P 50V J NP0 TP			C804	OCN1040K948	0.1M 50V Z F TA26
		C520	OCN2230H948	0.022M 25V Z F TA26			C805	OCK1020K945	1000P 50V Z F TS
		C521	OCX3900K408	39P 50V J SL TA26			C806	OCN1040K948	0.1M 50V Z F TA26
		C522	OCE4766F638	47M SMS 16V M FM5 TP5			C607	OCN1010K518	100P 50V KB TA26
		C523	OCE2264F638	22M SRA 16V M FM5 TP(5)			C608	OCN1030F678	0.01M 16V M Y TA26
		C524	OCN1040K948	0.1M 50V Z F TA26			C701	OCN1030F678	0.01M 16V M Y TA26
		C526	OCN2710K518	270P 50V KB TA26			C702	OCE4766F638	47M SMS 16V M FM5 TP5
		C528	OCN1030F678	0.01M 16V M Y TA26			C703	OCN1030F678	0.01M 16V M Y TA26
		C529	OCE1054K636	1.0U SRA 50V M FM5 BP TP(D)			C704	OCE4766F638	47M SMS 16V M FM5 TP5
		C530	OCE4766F638	47M SMS 16V M FM5 TP5			C705	OQC3321N409	0.0033U 100V J POLY TP
		C531	OCC0800K015	8P 50V C NP0 TS			C706	OCE1041N409	0.1U 100V J POLY TP
		C532	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C707	OCE1041N409	0.1U 100V J POLY TP
		C533	OCN1030F678	0.01M 16V M Y TA26			C708	OCE1041N409	0.1U 100V J POLY TP
		C534	OCN1510K518	150P 50V KB TA26			C709	OCN1040K948	0.1M 50V Z F TA26
		C535	OCE4754K638	4.7M SRA 50V M FM5 TP(5)			C710	OCE4758K638	4.7M SMS 50V M FM5 TP(5)
		C536	OCN1040K948	0.1M 50V Z F TA26			C711	OCE4766F638	47M SMS 16V M FM5 TP5
		C537	OCN1040K948	0.1M 50V Z F TA26			C712	OCN1030F678	0.01M 16V M Y TA26
		C538	OCN1030F678	0.01M 16V M Y TA26			C714	OCN1030F678	0.01M 16V M Y TA26
		C539	OCN1030F678	0.01M 16V M Y TA26			C715	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C540	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C716	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C541	OCN1030F678	0.01M 16V M Y TA26			C717	OCE1066F638	10UF SMS 16V M FM5 TP5
		C542	OCN1040K948	0.1M 50V Z F TA26			C721	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C544	OCN4730K948	0.047M 50V Z F TA26			C722	OCE1054K636	1.0U SRA 50V M FM5 BP TP(D)
		C545	OCN1040K948	0.1M 50V Z F TA26			C723	OCN1030F678	0.01M 16V M Y TA26
		C546	OCN2230H948	0.022M 25V Z F TA26			C741	OCN2210K518	220P 50V KB TA26
		C547	OCE1054K638	1.0M SRA/SS50V M FM5 TP(5)			C742	OCN2230H948	0.022M 25V Z F TA26
		C549	OCE2254K638	2.2M SRA 50V M FM5 TP(5)			C750	OCN1030F678	0.01M 16V M Y TA26
		C550	OCN1030F678	0.01M 16V M Y TA26			C751	OCN1030F678	0.01M 16V M Y TA26
		C551	OQC3331N409	0.033U 100V J POLY TP			C752	OCN1030F678	0.01M 16V M Y TA26
		C552	OCN1030F678	0.01M 16V M Y TA26			C753	OCE4766F638	47M SMS 16V M FM5 TP5
		C553	OCN1040K948	0.1M 50V Z F TA26			C754	OCN1030F678	0.01M 16V M Y TA26
		C554	OCN1030F678	0.01M 16V M Y TA26			C755	OCE4766F638	47M SMS 16V M FM5 TP5
		C555	OCE2274C638	220M SRA 6.3V M FM5 TP(5)			C756	OCN1030F678	0.01M 16V M Y TA26
		C556	OCE4754K638	4.7M SRA 50V M FM5 TP(5)			C757	OCN4710K518	470P 50V KB TA26
		C557	OCE1064F638	10M SRA 16V M FM5 TP(5)			C758	OCN2230H948	0.022M 25V Z F TA26
		C558	OCE1074F638	100U SRA 16V M FM5 TP(5)			C759	OCE1041N409	0.1U 100V J POLY TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		C760	0CX2700K408	27P 50V J SL TA26
		C761	0CQ1031N409	0.01UF 100V J PE TP
		C762	0CE2256K638	2.2M SMS 50V M FM5 TP(5)
		C763	0CX4700K408	47P 50V J SL TA26
		C764	0CX4700K408	47P 50V J SL TA26
		C765	0CC0800K115	8P 50V D NP0 TS
		C766	0CE2256K638	2.2M SMS 50V M FM5 TP(5)
		C767	0CE1056K638	1.0M SMS 50V M FM5 TP(5)
		C768	0CQ1041N409	0.1U 100V J POLY TP
		C769	0CE4766F638	47M SMS 16V M FM5 TP5
		C770	0CN1030F678	0.01M 16V M Y TA26
		C772	0CX2200K408	22P 50V J SL TP26
		C775	0CN1210K518	120P 50V K B TA26
		C801	0CE2256K638	2.2M SMS 50V M FM5 TP(5)
		C802	0CQ6831N409	0.068U 100V J POLY TP
		C803	0CC1010K405	100P 50V J SL TS
		C804	0CE1056K638	1.0M SMS 50V M FM5 TP(5)
		C805	0CQ3321N409	0.0033U 100V J POLY TP
		C807	0CE4766F638	47M SMS 16V M FM5 TP5
		C808	0CN2230H948	0.022M 25V Z F TA26
		C809	0CQ3321N409	0.0033U 100V J POLY TP
		C810	0CE1056K638	1.0M SMS 50V M FM5 TP(5)
		C812	0CN6810K518	680P 50V K B TA26
		C901	0CQ4731N409	0.047U 100V J POLY TP
		C902	0CQ4731N409	0.047U 100V J POLY TP
		C903	0CE1054K638	1.0M SRA/SS50V M FM5 TP(5)
		C905	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C906	0CN1030F678	0.01M 16V M Y TA26
		C910	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C911	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C913	0CE4764F638	47M SRA/SS 16V M FM5 TP(5)
		C914	0CN1030F678	0.01M 16V M Y TA26
		C924	0CX3900K408	39P 50V J SL TA26
		C925	0CN2210K518	220P 50V K B TA26
		C926	0CN2210K518	220P 50V K B TA26
		C930	0CE4775C638	470M SR 6.3V M FM5 TP(5)
		C932	0CN1030F678	0.01M 16V M Y TA26
		C933	0CN1030F678	0.01M 16V M Y TA26
OR		CP01	624-066C	AC CON 332/400V,E,AA(S/S)
		CP01	624-086C	AC-CON 332/400V,E,NU(N/K)
		CP03	624-088B	ECQU2A104MVA AC250/0.1UF MATSU
OR		CP05	624-066C	AC CON 332/400V,E,AA(S/S)
		CP05	624-086C	AC-CON 332/400V,E,NU(N/K)
		CP06	624-082F	CE 68UF/400V SHLVN
		CP07	0CQ1041N409	0.1U 100V J POLY TP
		CP09	0CQ5621N409	0.0056U 100V J POLY TP
		CP10	0CQ1021N409	0.001U 100V J POLY TP
		CP11	0CE336BH638	33UF KME 25V M FM5 TP5
		CP12	0CQ4731N409	0.047U 100V J POLY TP
		CP14	624-087B	HIGH-VOL 100P/1KV SMPS SAMHWA
		CP15	0CQ1031Y501	0.01U 630V K POLY F5
		CP16	0CE4746K638	0.47M SMS 50V M TP(5)
OR		CP17	624-084C	HER-0611-47-50-M SMPS RI-C
		CP17	624-085D	CE 47UF/50V KME (SMPS)
		CP18	0CE4776H638	470UF SMS 25V M FM5 TP5
		CP19	624-083E	1000/10V KME (SMPS) CE
OR		CP19	624-084N	HER-1016-1000-10-M SMPS RI-C
		CP20	0CE3376D638	330UF SMS 10V M FM5 TPS
OR		CP21	624-084C	HER-0611-47-50-M SMPS RI-C
		CP21	624-085D	CE 47UF/50V KME (SMPS)
		CP22	0CE477BH638	470UF KME 25V M FM5 TP5
OR		CP24	624-066E	AC CON 472/400V,E,AA(S/S)

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		OR	CP24	624-086E
		CP25	0CE1076D638	100M SMS 10V M FM5 TP(5)
		CP26	624-066E	AC CON 472/400V,E,AA(S/S)
		CP26	624-086E	AC-CON 472/400V,E,NU,(N/K)
		CP28	624-086B	AC-CON 103/400V,Z,NU(N/K)
				DIODE
		OR	BDP01	ODD060000BA
		BDP01	ODD160000DA	S1WBA60(1A 600V) SHIDENKEN
		D301	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D303	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D304	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D305	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D309	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D315	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D316	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D401	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D402	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D403	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D404	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D405	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D500	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D501	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D502	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D503	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D504	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D505	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D506	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D507	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D509	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D511	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D512	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D513	ODD400309AB	IN4003A(1SR35-200A)5M/M TP ROH
		D514	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D515	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D601	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D602	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D603	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D611	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D614	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D704	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D901	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		D905	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		DP01	ODD010009CA	EG01CW(R-FORM 5MM) TP SANKEN
		DP01	ODD400709BA	UF4007 G.I.
		DP02	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		DP05	ODD131009AA	ISS131 DETECT,SW(26MM)TP ROHM
		DP07	ODD207000AA	2A07 2A RECTIFIERS(T/S)DELTA
		DP08	ODD310409AA	31DQ04 52MM TP TP INTA
		DP08	ODD440000AA	RK-44(SCHTOKY) SANKEN
		DP10	ODD010009AC	EU01W(R-FORM) TP SANKEN
		DP12	ODD010009AC	EU01W(R-FORM) TP SANKEN
		DP13	ODD400000AH	RU4YX SANKEN
		DP17	ODD010009AC	EU01W(R-FORM) TP SANKEN
				DISPLAY TUBE
		DG601	514-032A	9BT-123GK 85X25 PAL SEJIN
				FUSE
		FP01	585-011C	T 1.6A 250V S506

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
FILTER				
		LP01	616-145A	LINE FILTER SQE TYPE 33MH(BUJ)
		Z750	616-099B	SAW OFWG1962 (SIEMENS) B/G
		Z751	616-038B	CERAMIC,SFSH5.5MCB MURATA
		Z752	616-036B	TRAP TPSS5.5MB MURA
		Z755	616-714A	MKT40MA100P MURATA
IC				
OR	IC301	OISA743700A	LA7437 (Y/C 1CHIP,NOT ADJ)	
	IC302	OISA741100A	LA7411 22SD 2HD AMP(VCR)	
	IC304	OISA899700A	LC89970 (1H CCD) OC3600	
	IC401	OIRH779700A	BA7797 N/AUDIO	
	IC501	OIH839760D	H8/3976(HD6433976A09F)R-T40P/S	
	IC502	OIGS744500A	GL7445 (MOTOR DRIV-1CH) GSS	
	IC503	OINA241600A	NM24C16N(EEPROM.16K) OC3600	
	IC503	OIXI241600B	X24C16P EEPROM 16K DIP	
	IC504	OINT523000B	PST-523G/T(3.3V) LOW	
	IC505	OIGS358000A	GL358	
OR	IC506	OIMT523000C	PST-523D/T	
	IC601	OIRH287600A	BU2876K FLD	
	IC601	OIRH287900A	BU2879K FDP DRIVE	
	IC701	OISA791000A	LA7910 TV BAND SELEC	
	IC750	OIPH980000A	TDA9800 VIF PLL DEM & FM DET	
	IC801	OIJR222900A	NJM2229S SYNC SEPA (SIP PACK)	
	IC902	OISM564900A	SDA5649 (VPS+PDC)	
	IC903	OIGS381600A	GL3816	
	ICP01	OIFE531100A	FA5311P PWM IC (FUJI) DIP	
	ICP03	OIKE431000A	KIA431	
	ZD702	OIKE574000B	KIA574AT ZENOR IC 2K/TP	
COIL				
	B901	OLA0560K018	0.56M K 2.3X3.4 L5 TP	
	L302	OLR1000J035	100M J 6X6 L5 TP	
	L303	OLA1000K018	100M K 2.3X3.4 L5 TP	
	L304	OLR1000J035	100M J 6X6 L5 TP	
	L309	OLR1000J035	100M J 6X6 L5 TP	
	L310	OLA0561K018	5.6M K 2.3X3.4 L5 TP	
	L311	OLA0392K018	39M K 2.3X3.4 L5 TP	
	L312	OLA1500K018	150M K 2.3X3.4 L5 TP	
	L315	OLA0332K018	33M K 2.3X3.4 L5 TP	
	L350	OLA0821K018	8.2M K 2.3X3.4 L5 TP	
	L353	OLA0152K018	15M K 2.3X3.4 L5 TP	
	L354	OLA1000K018	100M K 2.3X3.4 L5 TP	
	L355	OLA0152K018	15M K 2.3X3.4 L5 TP	
	L356	OLA0152K018	15M K 2.3X3.4 L5 TP	
	L357	OLR5600K035	560M K 6X6 L5 TP	
	L358	OLA0222K018	22M K 2.3X3.4 L5 TP	
	L359	OLA0332K018	33M K 2.3X3.4 L5 TP	
	L361	OLR1000J035	100M J 6X6 L5 TP	
	L371	OLA0822K018	82M K 2.3X3.4 L5 TP	
	L372	OLA2700K018	270U K 2.3X3.4 L5 TP	
	L401	OLR1000K035	100M K 6X6 L5 TP	
	L402	OLR6801J045	6800U J 6X7 L5 TP	
	L403	OLA0102K018	10M K 2.3X3.4 L5 TP	
	L501	OLR1000K035	100M K 6X6 L5 TP	
	L505	OLR1000K035	100M K 6X6 L5 TP	
	L506	OLR0152K035	15M K 6X6 L5 TP	
	L508	OLR1000K035	100M K 6X6 L5 TP	
	L510	OLA0332K018	33M K 2.3X3.4 L5 TP	
	L512	OLR1000K035	100M K 6X6 L5 TP	

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		L513	OLR1000K035	100M K 6X6 L5 TP
		L514	OLR1000K035	100M K 6X6 L5 TP
		L515	OLR1000K035	100M K 6X6 L5 TP
		L516	OLR0222K035	22M K 6X6 L5 TP
		L601	OLR1000K035	100M K 6X6 L5 TP
		L701	OLR1000K035	100M K 6X6 L5 TP
		L702	OLR1000K035	100M K 6X6 L5 TP
		L703	OLR1000K035	100M K 6X6 L5 TP
		L704	OIA222K018	22M K 2.3X3.4 L5 TP
		L750	OIA0121K018	1.2M K 2.3X3.4 L5 TP
		L751	OLR1000K035	100M K 6X6 L5 TP
		L752	OIA0332K018	33M K 2.3X3.4 L5 TP
		L753	OIA0152K018	15M K 2.3X3.4 L5 TP
		L754	OIA0102K018	10M K 2.3X3.4 L5 TP
		L755	OLR1000K035	100M K 6X6 L5 TP
		L756	OLR1000K035	100M K 6X6 L5 TP
		L757	OIA0222K018	0.22M K 2.3X3.4 L5 TP
		L758	OIA0121K018	1.2M K 2.3X3.4 L5 TP
		L801	OLR1000K035	100M K 6X6 L5 TP
		L901	OLR1000K035	100M K 6X6 L5 TP
		L902	OLR1000K035	100M K 6X6 L5 TP
		L903	OLA1000K018	100M K 2.3X3.4 L5 TP
		L904	OLA1000K018	100M K 2.3X3.4 L5 TP
		L905	OLA1000K018	100M K 2.3X3.4 L5 TP
		L909	OLR6801J045	6800U J 6X7 L5 TP
		LP03	633-088A	SC-20M CHOKE,COIL
		LP04	633-088A	SC-20M CHOKE,COIL
		T401	633-032F	BIAS 126QN-K5171YA0-KR-K TOKO
		T750	633-085A	V-COIL 2920N-K5592Z 77.8 TOKO
LED				
		LED501	ODL380009AA	GL380JTP IR LED D-27 TP SHARP
CONNECTOR				
		PM701	561-281G	8283-0812(STICK)
		PM702	561-281G	8283-0812(STICK)
CIRCUIT BOARD ASSEMBLY				
		PBAFC	6871R-0404A	AFC BOARD
		PBI00	6871R-0265B	IF
		PBJ00	6871R-0266D	JACK 1SCART
		PBM00	6871R-0263G	MAIN
		PBT00	6871R-0421A	TIMER
TRANSISTOR				
		Q303	OTR319909AF	KTC3199-BL MINI TP KEC
		Q307	OTR103009AE	KRC103M-TP (KRC1203) KEC
		Q308	OTR319909AF	KTC3199-BL MINI TP KEC
		Q309	OTR319909AF	KTC3199-BL MINI TP KEC
		Q310	OTR126709AC	KTA1267-GR MINI TP KEC
		Q311	OTR319909AF	KTC3199-BL MINI TP KEC
		Q312	OTR319909AF	KTC3199-BL MINI TP KEC
		Q315	OTR126709AC	KTA1267-GR MINI TP KEC
		Q401	OTR103009AF	KRA103M-TP (KRA2203) KEC
		Q402	OTR103009AF	KRA103M-TP (KRA2203) KEC
		Q403	OTR103009AE	KRC103M-TP (KRC1203) KEC
		Q404	OTR126609AE	KTA1266-GR,TP(KTA1015),KEC
		Q405	OTR320509AB	KTC3205-TP-Y (KTC2236A) KEC
		Q406	OTR126609AE	KTA1266-GR,TP(KTA1015),KEC
		Q407	OTR103009AE	KRC103M-TP (KRC1203) KEC

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		Q408	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q501	0TR141400AA	KTD1414 POWER (220 PACK) KEC
		Q502	0TR103008AF	KRA103M-TP (KRA2203) KEC
		Q503	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q504	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q506	0TR320508AB	KTC3205-TP-Y (KTC2236A) KEC
		Q507	0TR319808AC	KTC3198-TP-BL (KTC1815) KEC
		Q508	0TR126708AC	KTA1267-GR MINI TP KEC
		Q509	0TR126708AC	KTA1267-GR MINI TP KEC
		Q510	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q511	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q513	0TR320508AB	KTC3205-TP-Y (KTC2236A) KEC
		Q514	0TR319808AC	KTC3198-TP-BL (KTC1815) KEC
		Q515	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q522	0TR127308AA	KTA1273-TP-Y (KTA966A) KEC
		Q523	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q524	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q525	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q526	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q529	0TR103008AE	KRC103M-TP (KRC1203) KEC
		Q701	0TR319808AC	KTC3198-TP-BL (KTC1815) KEC
		Q702	0TR319808AC	KTC3198-TP-BL (KTC1815) KEC
		Q703	0TR126708AC	KTA1267-GR MINI TP KEC
		Q704	0TR319808AC	KTC3198-TP-BL (KTC1815) KEC
		Q750	0TR319708AC	KTC3197 (KTC388A) TP KEC
		Q751	0TR319809AC	KTC3198-TP-BL (KTC1815) KEC
		Q801	0TR319809AC	KTC3198-TP-BL (KTC1815) KEC
		Q901	0TR126609AE	KTA1266-GR,TP(KTA1015), KEC
		Q902	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q903	0TR103009AE	KRC103M-TP (KRC1203) KEC
		Q904	0TR126609AE	KTA1266-GR,TP(KTA1015), KEC

RESISTOR

	R301	0RH1201D622	1.2K 1/10W 5 D.R/TP
	R302	0RH1201D622	1.2K 1/10W 5 D.R/TP
	R303	0RH4702D622	47K 1/10W 5 D.R/TP
	R305	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R306	0RH8201D622	8.2K 1/10W 5 D.R/TP
	R308	0RH2201D622	2.2K 1/10W 5 D.R/TP
	R309	0RH2701D622	2.7K 1/10W 5 D.R/TP
	R310	0RH6800D622	680 1/10W 5 D.R/TP
	R311	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R315	0RH4701D622	4.7K 1/10W 5 D.R/TP
	R316	0RH1501D622	1.5K 1/10W 5 D.R/TP
	R317	0RH5602D622	56K 1/10W 5 D.R/TP
	R318	0RH2202D622	22K 1/10W 5 D.R/TP
	R320	0RH8202D622	82K 1/10W 5 D.R/TP
	R321	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R331	0RH2202D622	22K 1/10W 5 D.R/TP
	R333	0RH1501D622	1.5K 1/10W 5 D.R/TP
	R334	0RH1202D622	12K 1/10W 5 D.R/TP
	R335	0RH3302D622	33K 1/10W 5 D.R/TP
	R336	0RH5600D622	560 1/10W 5 D.R/TP
	R337	0RH1801D622	1.8K 1/10W 5 D.R/TP
	R338	0RH1802D622	18K 1/10W 5 D.R/TP
	R339	0RD0000D622	0 1/10W 5 D.R/TP
	R340	0RH1001D622	1.0K 1/10W 5 D.R/TP
	R341	0RH2700D622	270 1/10W 5 D.R/TP
	R342	0RH6800D622	680 1/10W 5 D.R/TP
	R343	0RH4700D622	470 1/10W 5 D.R/TP
	R344	0RH4701D622	4.7K 1/10W 5 D.R/TP
	R345	0RH5600D622	560 1/10W 5 D.R/TP

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R347	0RH1201D622	1.2K 1/10W 5 D.R/TP
		R348	0RH3900D622	390 1/10W 5 D.R/TP
		R349	0RH5600D622	560 1/10W 5 D.R/TP
		R350	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R351	0RH4700D622	470 1/10W 5 D.R/TP
		R353	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R354	0RH2201D622	2.2K 1/10W 5 D.R/TP
		R356	0RH1201D622	1.2K 1/10W 5 D.R/TP
		R357	0RH3900D622	390 1/10W 5 D.R/TP
		R358	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R359	0RH2201D622	2.2K 1/10W 5 D.R/TP
		R360	0RH2201D622	2.2K 1/10W 5 D.R/TP
		R361	0RH8200D622	820 1/10W 5 D.R/TP
		R362	0RH1800D622	180 1/10W 5 D.R/TP
		R370	0RH2201D622	2.2K 1/10W 5 D.R/TP
		R377	0RH1802D622	18K 1/10W 5 D.R/TP
		R378	0RH1501D622	1.5K 1/10W 5 D.R/TP
		R3A1	0RH1001D622	1.0K 1/10W 5 D.R/TP
		R3A2	0RH0000D622	0 1/10W 5 D.R/TP
		R3A3	0RH0000D622	0 1/10W 5 D.R/TP
		R3A4	0RH0000D622	0 1/10W 5 D.R/TP
		R3A6	0RH0000D622	0 1/10W 5 D.R/TP
		R3A9	0RH5600D622	560 1/10W 5 D.R/TP
		R3B3	0RH0000D622	0 1/10W 5 D.R/TP
		R3P1	0RH0000D622	0 1/10W 5 D.R/TP
		R401	0RD1002F608	10K 1/6W 5 TA26
		R402	0RD3303F608	330K 1/6W 5 TA26
		R403	0RD1502F608	15K 1/6W 5 TA26
		R404	0RD1500F608	150 1/6W 5 TA26
		R405	0RD1004F608	1.0M 1/6W 5 TA26
		R406	0RD1002F608	10K 1/6W 5 TA26
		R407	0RD4701F608	4.7K 1/6W 5 TA26
		R408	0RD6801F608	6.8 1/6W 5 TA26
		R409	0RD472F608	47 1/6W 5 TA26
		R410	0RD4702F608	47K 1/6W 5 TA26
		R411	0RD1501F608	1.5K 1/6W 5 TA26
		R412	0RD1201F608	1.2K 1/6W 5 TA26
		R413	0RD1802F608	18K 1/6W 5 TA26
		R414	0RD2702F608	27K 1/6W 5 TA26
		R415	0RD3302F608	33K 1/6W 5 TA26
		R416	0RD0102F608	10 1/6W 5 TA26
		R417	0RD8201F608	8.2K 1/6W 5 TA26
		R418	0RD1502F608	15K 1/6W 5 TA26
		R419	0RD1200F608	120 1/6W 5 TA26
		R420	0RD3302F608	33K 1/6W 5 TA26
		R421	0RD1002F608	10K 1/6W 5 TA26
		R423	0RD3302F608	33K 1/6W 5 TA26
		R424	0RD1002F608	10K 1/6W 5 TA26
		R425	0RD3301F608	3.3K 1/6W 5 TA26
		R426	0RD4701F608	4.7K 1/6W 5 TA26
		R427	0RD4701F608	4.7K 1/6W 5 TA26
		R428	0RD1002F608	10K 1/6W 5 TA26
		R429	0RD3301F608	3.3K 1/6W 5 TA26
		R430	0RD3902F608	39K 1/6W 5 TA26
		R431	0RD1802F608	18K 1/6W 5 TA26
		R432	0RD1502F608	15K 1/6W 5 TA26
		R433	0RD1002F608	10K 1/6W 5 TA26
		R434	0RD1202F608	12K 1/6W 5 TA26
		R500	0RD4701F608	4.7K 1/6W 5 TA26
		R501	0RD4701F608	4.7K 1/6W 5 TA26
		R502	0RD6801F608	6.8K 1/6W 5 TA26
		R503	0RD1002F608	10K 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R504	ORD0681F608	6.8 1/6W 5 TA26			R580	ORD4701F608	4.7K 1/6W 5 TA26
		R505	ORD1001F608	1.0K 1/6W 5 TA26			R581	ORD0101F608	1.0 1/6W 5 TA26
		R506	ORD4701F608	4.7K 1/6W 5 TA26			R582	ORD1001F608	1.0K 1/6W 5 TA26
		R507	ORD4701F608	4.7K 1/6W 5 TA26			R583	ORD1001F608	1.0K 1/6W 5 TA26
		R508	ORD4701F608	4.7K 1/6W 5 TA26			R584	ORD1001F608	1.0K 1/6W 5 TA26
		R509	ORD4701F608	4.7K 1/6W 5 TA26			R585	ORD1001F608	1.0K 1/6W 5 TA26
		R510	ORD4701F608	4.7K 1/6W 5 TA26			R586	ORD1000F608	100 1/6W 5 TA26
		R511	ORD4701F608	4.7K 1/6W 5 TA26			R587	ORD1000F608	100 1/6W 5 TA26
		R512	ORD4701F608	4.7K 1/6W 5 TA26			R588	ORD1001F608	1.0K 1/6W 5 TA26
		R513	ORD1002F608	10K 1/6W 5 TA26			R589	ORD1000F608	100 1/6W 5 TA26
		R514	ORD0681F608	6.8 1/6W 5 TA26			R590	ORD6801F608	6.8K 1/6W 5 TA26
		R515	ORD1004F608	1.0M 1/6W 5 TA26			R591	ORD0101F608	1.0 1/6W 5 TA26
		R516	ORD1202F608	12K 1/6W 5 TA26			R592	ORD4701F608	4.7K 1/6W 5 TA26
		R518	ORD5601F608	5.6K 1/6W 5 TA26			R593	ORD4701F608	4.7K 1/6W 5 TA26
		R519	ORD1004F608	1.0M 1/6W 5 TA26			R594	ORD4701F608	4.7K 1/6W 5 TA26
		R521	ORD1502F608	15K 1/6W 5 TA26			R595	ORD1001F608	1.0K 1/6W 5 TA26
		R525	ORD1002F608	10K 1/6W 5 TA26			R596	ORD1001F608	1.0K 1/6W 5 TA26
		R526	ORD1002F608	10K 1/6W 5 TA26			R597	ORD1001F608	1.0K 1/6W 5 TA26
		R527	ORD4701F608	4.7K 1/6W 5 TA26			R598	ORD1801F608	1.8K 1/6W 5 TA26
		R528	ORD1002F608	10K 1/6W 5 TA26			R599	ORD4701F608	4.7K 1/6W 5 TA26
		R529	ORD4701F608	4.7K 1/6W 5 TA26			R5A2	ORD1000F608	100 1/6W 5 TA26
		R531	ORD5601F608	5.6K 1/6W 5 TA26			R5A3	ORD4701F608	4.7K 1/6W 5 TA26
		R532	ORD2202F608	22K 1/6W 5 TA26			R5A4	ORD4701F608	4.7K 1/6W 5 TA26
		R533	ORD2202F608	22K 1/6W 5 TA26			R5A5	ORD5601F608	5.6K 1/6W 5 TA26
		R534	ORD4703F608	470K 1/6W 5 TA26			R5A6	ORD5601F608	5.6K 1/6W 5 TA26
		R535	ORD5601F608	5.6K 1/6W 5 TA26			R5A7	ORD1001F608	1.0K 1/6W 5 TA26
		R536	ORD2200F608	220 1/6W 5 TA26			R5A9	ORD4701F608	4.7K 1/6W 5 TA26
		R537	ORD4701F608	4.7K 1/6W 5 TA26			R5B1	ORD1000F608	100 1/6W 5 TA26
		R538	ORD1002F608	10K 1/6W 5 TA26			R5B2	ORD102F608	10 1/6W 5 TA26
		R539	ORD5602F608	56K 1/6W 5 TA26			R5B3	ORD1001F608	1.0K 1/6W 5 TA26
		R540	ORD1001F608	1.0K 1/6W 5 TA26			R5B4	ORD1803F608	180K 1/6W 5 TA26
		R541	ORD1004F608	1.0M 1/6W 5 TA26			R5X3	ORD2200F608	220 1/6W 5 TA26
		R542	ORD2200F608	220 1/6W 5 TA26			R5X4	ORD2200F608	220 1/6W 5 TA26
		R543	ORD3302F608	33K 1/6W 5 TA26			R5X5	ORD2200F608	220 1/6W 5 TA26
		R544	ORD3302F608	33K 1/6W 5 TA26			R5X7	ORD2202F608	22K 1/6W 5 TA26
		R545	ORD1001F608	1.0K 1/6W 5 TA26			R5X8	ORD1002F608	10K 1/6W 5 TA26
		R546	ORD1001F608	1.0K 1/6W 5 TA26			R601	ORD1201F608	1.2K 1/6W 5 TA26
		R547	ORD5601F608	5.6K 1/6W 5 TA26			R602	ORD2201F608	2.2K 1/6W 5 TA26
		R548	ORD1003F608	100K 1/6W 5 TA26			R603	ORD8200F608	820 1/6W 5 TA26
		R549	ORD1002F608	10K 1/6W 5 TA26			R604	ORD1201F608	1.2K 1/6W 5 TA26
		R551	ORD2200F608	220 1/6W 5 TA26			R605	ORD2201F608	2.2K 1/6W 5 TA26
		R552	ORD2200F608	220 1/6W 5 TA26			R606	ORD3901F608	3.9K 1/6W 5 TA26
		R554	ORD1501F608	1.5K 1/6W 5 TA26			R608	ORD471F608	4.7 1/6W 5 TA26
		R555	ORD2200F608	220 1/6W 5 TA26			R609	ORD471F608	4.7 1/6W 5 TA26
		R556	ORD2702F608	27K 1/6W 5 TA26			R610	ORD3302F608	33K 1/6W 5 TA26
		R557	ORD3302F608	33K 1/6W 5 TA26			R611	ORD5602F608	56K 1/6W 5 TA26
		R558	ORD3302F608	33K 1/6W 5 TA26			R612	ORD5602F608	56K 1/6W 5 TA26
		R559	ORD1002F608	10K 1/6W 5 TA26			R613	ORD5602F608	56K 1/6W 5 TA26
		R560	ORD1002F608	10K 1/6W 5 TA26			R614	ORD5602F608	56K 1/6W 5 TA26
		R561	ORD5600F608	560 1/6W 5 TA26			R616	ORD4701F608	4.7K 1/6W 5 TA26
		R562	ORD5600F608	560 1/6W 5 TA26			R617	ORD8200F608	820 1/6W 5 TA26
		R563	ORD1002F608	10K 1/6W 5 TA26			R701	ORD0822F608	82 1/6W 5 TA26
		R564	ORD2702F608	27K 1/6W 5 TA26			R704	ORD1002F608	10K 1/6W 5 TA26
		R565	ORD1001F608	1.0K 1/6W 5 TA26			R705	ORD1002F608	10K 1/6W 5 TA26
		R567	ORD2201F608	2.2K 1/6W 5 TA26			R706	ORD1202F608	12K 1/6W 5 TA26
		R568	ORD2703F608	270K 1/6W 5 TA26			R707	ORD1202F608	12K 1/6W 5 TA26
		R569	ORD1203F608	120K 1/6W 5 TA26			R708	ORD1202F608	12K 1/6W 5 TA26
		R570	ORD1001F608	1.0K 1/6W 5 TA26			R709	ORD1002F608	10K 1/6W 5 TA26
		R572	ORD2201F608	2.2K 1/6W 5 TA26			R710	ORD5601F608	5.6K 1/6W 5 TA26
		R574	ORD1802F608	18K 1/6W 5 TA26			R711	ORD5601F608	5.6K 1/6W 5 TA26
		R575	ORD6801F608	6.8K 1/6W 5 TA26			R712	ORD3301F608	3.3K 1/6W 5 TA26
		R576	ORD2702F608	27K 1/6W 5 TA26			R716	ORD2202F608	22K 1/6W 5 TA26

S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION	S	AL	LOCA.NO	PART NO(GS)	SPECIFICATION
		R717	ORD2203F608	220K 1/6W 5 TA26			RP18	ORD1001F608	1.0K 1/6W 5 TA26
		R720	ORD4700F608	470 1/6W 5 TA26			RP19	ORN4701F408	4.7K 1/6W 1 TA26
		R721	ORD2202F608	22K 1/6W 5 TA26			RP20	ORD0222F608	22 1/6W 5 TA26
		R722	ORD2202F608	22K 1/6W 5 TA26			RP21	ORD1003F608	100K 1/6W 5 TA26
		R726	ORD5601F608	5.6K 1/6W 5 TA26	REMOCON RECEIVER				
		R751	ORD4701F608	4.7K 1/6W 5 TA26			RC601	668-227R	RECE 20.0 3276A 2800 KOTECO
		R752	ORD1201F608	1.2K 1/6W 5 TA26	SENSOR				
		R753	ORD5600F608	560 1/6W 5 TA26		OR	ICP02	657-061B	PHOTO COUPLER PS2561-1-V NEC
		R754	ORD0472F608	47 1/6W 5 TA26			ICP02	657-062B	PC123Y PHOTO-COUPLED(SHARP)
		R755	ORD1200F608	120 1/6W 5 TA26			S503	657-040B	REEL RPI-352Q01 D-27 ROHM-J
		R757	ORD2701F608	2.7K 1/6W 5 TA26			S504	657-040B	REEL RPI-352Q01 D-27 ROHM-J
		R758	ORD2701F608	2.7K 1/6W 5 TA26	SCART				
		R759	ORD2200F608	220 1/6W 5 TA26			JK901	573-019A	RGB SOCKET (BRS-03S) ANGLE
		R760	ORD2700F608	270 1/6W 5 TA26	SWITCH				
		R761	ORD5601F608	5.6K 1/6W 5 TA26			SW501	556-244A	REC S/W,MPU10105MMBO,MIC
		R763	ORD1001F608	1.0K 1/6W 5 TA26			SW502	556-243D	F/L S/W,MPU10400(MIC),D-27
		R764	ORD8201F608	8.2K 1/6W 5 TA26			SW801	556-219A	SKHV10910A (GS ALPS)
		R765	ORD1802F608	18K 1/6W 5 TA26			SW802	556-219A	SKHV10910A (GS ALPS)
		R766	ORD2200F608	220 1/6W 5 TA26			SW803	556-219A	SKHV10910A (GS ALPS)
		R767	ORD2700F608	270 1/6W 5 TA26			SW804	556-219A	SKHV10910A (GS ALPS)
		R768	ORD2202F608	22K 1/6W 5 TA26			SW805	556-219A	SKHV10910A (GS ALPS)
		R769	ORD2202F608	22K 1/6W 5 TA26			SW806	556-219A	SKHV10910A (GS ALPS)
		R770	ORD1201F608	1.2K 1/6W 5 TA26			SW807	556-219A	SKHV10910A (GS ALPS)
		R801	ORD3800F608	380 1/6W 5 TA26			SW808	556-219A	SKHV10910A (GS ALPS)
		R802	ORD1001F608	1.0K 1/6W 5 TA26			SW809	556-219A	SKHV10910A (GS ALPS)
		R803	ORD4700F608	470 1/6W 5 TA26	TUNER				
		R805	ORD1002F608	10K 1/6W 5 TA26			TU701	521-415A	MTSH7HD23 B/G VS HYPER SHARP
		R807	ORD5601F608	5.6K 1/6W 5 TA26	VARIABLE RESISTOR				
		R901	ORD5603F608	580K 1/6W 5 TA26			VR401	613-032W	RH0638CJ5R (220K)
		R902	ORD6801F608	6.8K 1/6W 5 TA26			VR501	613-032N	RH0638C14R14A (10K)
		R903	ORD5603F608	560K 1/6W 5 TA26			VR502	613-004J	VR RH0681CJ3J(2.2K),J/ALPS
		R904	ORD6801F608	6.8K 1/6W 5 TA26			VR701	613-032Q	RH0638CJ4R0WA (22K)
		R905	ORD8202F608	82K 1/6W 5 TA26	CRYSTAL				
		R906	ORD1004F608	1.0M 1/6W 5 TA26			X301	529-020P	4.433619MHZ 15PPM GRAY L=4.0
		R907	ORD1001F608	1.0K 1/6W 5 TA26			X501	529-020I	10.000000MHZ 30PPM NO-TU L=4.0
		R909	ORD1002F608	10K 1/6W 5 TA26			X502	529-001K	32.768KHZ 3*8 SEIKO (20PPM)
		R910	ORD2201F608	2.2K 1/6W 5 TA26			X503	529-022V	17.734476MHZ CL-12P 25PPM LEAD
		R911	ORD1001F608	1.0K 1/6W 5 TA26			X801	529-019A	CSB500F-9 MURATA
		R914	ORD0752F608	75 1/6W 5 TA26	ZENER DIODE				
		R918	ORD0682F608	68 1/6W 5 TA26			DP03	0DZ220009ED	MTZ22B T-77 TP ROHM
		R922	ORD5601F608	5.6K 1/6W 5 TA26			ZD501	0DZ750009DA	MTZ.5B TP ROHM-K
		R923	ORD5601F608	5.6K 1/6W 5 TA26			ZD502	0DZ130009AA	MTZ13A TP ROHM-K
		R928	ORD1002F608	10K 1/6W 5 TA26			ZD503	0DZ150009BA	MTZ15A TP ROHM-K
		R932	ORD8201F608	8.2K 1/6W 5 TA26			ZD504	0DZ560009CB	MTZ5.6C,0.5W(26MM) TP ROHM
		R935	ORD1001F608	1.0K 1/6W 5 TA26			ZD505	0DZ2270009CA	MTZ22C TP ROHM-KOREA
		R936	ORD1001F608	1.0K 1/6W 5 TA26			ZD901	0DZ150009BC	MTZ15B ROHM-K
		R940	ORD1000F608	100 1/6W 5 TA26			ZD902	0DZ150009BC	MTZ15B ROHM-K
		R941	ORD3800F608	380 1/6W 5 TA26			ZDP02	0DZ560009CA	MTZ5.6B TP ROHM-K
		RP01	614-007A	2.7/2W CEMENT SMPS V			ZDP06	0DZ180009CA	MTZ18B TP ROHM-K
		RP02	ORD4702F608	47K 1/6W 5 TA26					
		RP03	ORD4702F608	47K 1/6W 5 TA26					
		RP04	614-006B	MATAL OXIDE SMALL 0.47/2W,5%					
		RP05	ORD1202F608	12K 1/6W 5 TA26					
		RP07	ORD1800F608	180 1/6W 5 TA26					
		RP08	ORD0752F608	75 1/6W 5 TA26					
		RP09	ORD0222F608	22 1/6W 5 TA26					
		RP10	ORD5101F608	5.1K 1/6W 5 TA26					
		RP13	ORD1800F608	180 1/6W 5 TA26					
		RP14	614-006C	MATAL OXIDE SMALL 55K/2W,5%					
		RP15	ORD2201F608	2.2K 1/6W 5 TA26					
		RP16	ORN3301F408	3.3K 1/6W 1 TA26					
		RP17	ORD3300F608	330 1/6W 5 TA26					